SLS-LUX Scientific Inc.
1401 Wade Boulevard
Millville, NJ  08332

1-800-220-7574
1-609-327-4410

FAX
1-609-327-4642

E-mail
SLSLUX@aol.com
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## Placing An Order

**PHONE ORDERS:**

1-800-220-7574
1-609-327-4410

**FAX ORDERS:**

1-609-327-4642

**MAIL ORDERS TO:**

SLS-LUX Scientific, Inc.
1401 Wade Boulevard
Millville, NJ 08332

**E-MAIL**

SLSLUX@aol.com

**HOME PAGE**

www.SLS-LUX.com

**PAYMENT TERMS:** Our terms for payment are net 30 days from invoice date and are subject to credit approval. We now accept VISA, MasterCard and American Express.

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SLS-LUX Scientific Instrument Co.

Lux Scientific Instrument Co. was founded by Leon Bader, a petroleum chemist searching for new or better products in the market for environmental sampling products.

Through the years Lux established a reputation for producing a wide variety of high quality products, and specialty products not available elsewhere, which had an application in environmental sampling products.

In 1996, Lux Scientific Instrument Co. merged with the Scientific Laboratory Supply Co. to form Lux Scientific Instrument Co.

Our new name is SLS-LUX.

We are proud to introduce the New SLS-LUX Catalog.

In addition to the many items in this catalog we have added over 700 new products.

Thank You for allowing us to serve you. We look forward to growing with you and strive to offer the highest level of service to our customers.
**Polyethylene Disposable Gloves**
- Inexpensive
- Lightweight
- Ambidextrous
- Embossed Grip
- USDA Accepted
- One Size

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Quantity Per Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-100</td>
<td>1000</td>
<td>$15.40</td>
</tr>
</tbody>
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**Vinyl Disposable Gloves**
- Thickness of 5 mil
- Ambidextrous
- Pre-powdered
- USDA Accepted

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Quantity Per Case</th>
<th>Case Price</th>
</tr>
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<tbody>
<tr>
<td>18-130</td>
<td>S</td>
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<tr>
<td>18-131</td>
<td>M</td>
<td>1000</td>
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<tr>
<td>18-132</td>
<td>L</td>
<td>1000</td>
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</tr>
<tr>
<td>18-133</td>
<td>XL</td>
<td>1000</td>
<td>$58.00</td>
</tr>
</tbody>
</table>

**Nitrile Disposable Gloves**
- USDA Accepted
- Ambidextrous
- Puncture Resistant
- 100% Nitrile
- 4 mil Thick
- Low Powder

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Quantity Per Case</th>
<th>Case Price</th>
</tr>
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<tr>
<td>18-120</td>
<td>S</td>
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<td>$178.00</td>
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<td>18-121</td>
<td>M</td>
<td>1000</td>
<td>$178.00</td>
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<tr>
<td>18-122</td>
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<tr>
<td>18-123</td>
<td>XL</td>
<td>1000</td>
<td>$178.00</td>
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**Nitrile Disposable Gloves**
- USDA Accepted
- Ambidextrous
- Puncture Resistant
- 100% Nitrile
- 4 mil Thick
- Low Powder

<table>
<thead>
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<th>Catalog Number</th>
<th>Size</th>
<th>Quantity Per Case</th>
<th>Case Price</th>
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<tr>
<td>18-125</td>
<td>S</td>
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<td>$292.50</td>
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<tr>
<td>18-126</td>
<td>M</td>
<td>1000</td>
<td>$292.50</td>
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<tr>
<td>18-127</td>
<td>L</td>
<td>1000</td>
<td>$292.50</td>
</tr>
<tr>
<td>18-128</td>
<td>XL</td>
<td>1000</td>
<td>$292.50</td>
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**Polyblend Disposable Gloves**
- Inexpensive
- Lightweight
- Ambidextrous
- Embossed Grip
- USDA Accepted

<table>
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<th>Quantity Per Case</th>
<th>Case Price</th>
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<td>1000</td>
<td>$15.40</td>
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</tbody>
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**Mixed Disposable Gloves**
- Inexpensive
- Lightweight
- Ambidextrous
- Embossed Grip
- USDA Accepted

<table>
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<th>Catalog Number</th>
<th>Quantity Per Case</th>
<th>Case Price</th>
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<td>18-100</td>
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<td>$15.40</td>
</tr>
</tbody>
</table>
THE MUGS THAT MEASURE UP - THE SOCIAL SET

Pick up a six-pack for entertaining in the lab or at home. Clear Borosilicate glass and graduated marking make it easy to see how your mixers measure up! For hot or cold liquids – from the freezer to the microwave.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Quantity</th>
<th>Price</th>
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<tbody>
<tr>
<td>19-170</td>
<td>Social Set 6-Pack, 8 oz.</td>
<td>pk/6</td>
<td>$34.50</td>
</tr>
<tr>
<td>19-171</td>
<td>Social Set 6-Pack, 14 oz.</td>
<td>pk/6</td>
<td>$39.50</td>
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POLYSTYRENE ANTI-STATIC WEIGHING DISHES

<table>
<thead>
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<th>Catalog Number</th>
<th>Size</th>
<th>Case</th>
<th>Case Price</th>
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</thead>
<tbody>
<tr>
<td>20-100</td>
<td>1 1/4&quot; x 2 1/4&quot; x 1/4&quot;</td>
<td>500</td>
<td>$18.12</td>
</tr>
<tr>
<td>20-101</td>
<td>3 3/4&quot; x 5 1/4&quot; x 1 1/4&quot;</td>
<td>500</td>
<td>42.28</td>
</tr>
<tr>
<td>20-102</td>
<td>4 1/4&quot; x 7&quot; x 1 1/4&quot;</td>
<td>500</td>
<td>73.28</td>
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</table>

WEIGHTING BOATS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-110</td>
<td>1 1/2&quot; x 1/4&quot;</td>
<td>500</td>
<td>$11.24</td>
</tr>
<tr>
<td>20-111</td>
<td>3 3/4&quot; x 1/4&quot;</td>
<td>500</td>
<td>18.36</td>
</tr>
<tr>
<td>20-112</td>
<td>5 1/4&quot; x 1/4&quot;</td>
<td>500</td>
<td>36.74</td>
</tr>
</tbody>
</table>

ALUMINUM FOIL WEIGHING DISHES

Inexpensive disposable aluminum foil dishes with crimped sides, flat smooth bottom, and a finger tab handle on the rim. Dish weights are approximately 1.0 grams (43mm), 1.4 grams (57mm), and 2.0 grams (70mm). Used in multiple applications: i.e., routine weighing, moisture testing, wastewater, dairy, chemical and pharmaceutical.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-115</td>
<td>43mm 2&quot; dia. x 1/4&quot; deep</td>
<td>1000</td>
<td>$13.16</td>
</tr>
<tr>
<td>20-116</td>
<td>57mm 2 1/2&quot; dia. x 1/4&quot; deep</td>
<td>1000</td>
<td>39.06</td>
</tr>
<tr>
<td>20-117</td>
<td>70mm 3&quot; dia. x 1/4&quot; deep</td>
<td>1000</td>
<td>53.50</td>
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</table>

ALUMINUM MOISTURE PANS

<table>
<thead>
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<th>Catalog Number</th>
<th>Size</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>20-125</td>
<td>4 1/4&quot; ID x 1/4&quot; deep (Ohaus comp.)</td>
<td>1000</td>
<td>$140.00</td>
</tr>
<tr>
<td>20-126</td>
<td>4&quot; x 1/4&quot; deep (Mettler 13993 Equiv., Sartorius + Denver)</td>
<td>500</td>
<td>93.00</td>
</tr>
<tr>
<td>20-127</td>
<td>5&quot; dia. x 1/4&quot; (Ohaus comp.)</td>
<td>1000</td>
<td>114.00</td>
</tr>
<tr>
<td>20-128</td>
<td>4 1/2&quot; dia. x 1/4&quot; deep (Cenco pan for lids)</td>
<td>250</td>
<td>49.00</td>
</tr>
</tbody>
</table>

LABORATORY GLASSWARE

Cylinders, graduated with hexagonal base and pourout, high form, blue graduation, class A

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Price ea.</th>
</tr>
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<tbody>
<tr>
<td>19-100</td>
<td>5</td>
<td>$7.34</td>
</tr>
<tr>
<td>19-101</td>
<td>10</td>
<td>7.34</td>
</tr>
<tr>
<td>19-102</td>
<td>25</td>
<td>7.34</td>
</tr>
<tr>
<td>19-103</td>
<td>50</td>
<td>7.84</td>
</tr>
<tr>
<td>19-104</td>
<td>100</td>
<td>8.68</td>
</tr>
<tr>
<td>19-105</td>
<td>250</td>
<td>12.84</td>
</tr>
<tr>
<td>19-106</td>
<td>500</td>
<td>17.60</td>
</tr>
</tbody>
</table>

Beakers, low form, with spout

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Price ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-110</td>
<td>100</td>
<td>$1.96</td>
</tr>
<tr>
<td>19-111</td>
<td>150</td>
<td>2.03</td>
</tr>
<tr>
<td>19-112</td>
<td>250</td>
<td>2.11</td>
</tr>
<tr>
<td>19-113</td>
<td>400</td>
<td>2.53</td>
</tr>
<tr>
<td>19-114</td>
<td>600</td>
<td>3.15</td>
</tr>
<tr>
<td>19-115</td>
<td>800</td>
<td>4.33</td>
</tr>
<tr>
<td>19-116</td>
<td>1000</td>
<td>4.98</td>
</tr>
<tr>
<td>19-117</td>
<td>2000</td>
<td>8.71</td>
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</table>

Flasks, volumetric with plastic stopper, class A

<table>
<thead>
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<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Price ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-120</td>
<td>5</td>
<td>$10.58</td>
</tr>
<tr>
<td>19-121</td>
<td>10</td>
<td>10.58</td>
</tr>
<tr>
<td>19-122</td>
<td>25</td>
<td>10.96</td>
</tr>
<tr>
<td>19-123</td>
<td>50</td>
<td>12.03</td>
</tr>
<tr>
<td>19-124</td>
<td>100</td>
<td>13.38</td>
</tr>
<tr>
<td>19-125</td>
<td>250</td>
<td>18.38</td>
</tr>
<tr>
<td>19-126</td>
<td>500</td>
<td>21.38</td>
</tr>
<tr>
<td>19-127</td>
<td>1000</td>
<td>29.58</td>
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</tbody>
</table>

Cylinders, graduated to contain with hexagonal base and pourout, high form, white graduation, class B

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Price ea.</th>
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<tbody>
<tr>
<td>19-130</td>
<td>5</td>
<td>$6.54</td>
</tr>
<tr>
<td>19-131</td>
<td>10</td>
<td>6.76</td>
</tr>
<tr>
<td>19-132</td>
<td>25</td>
<td>6.78</td>
</tr>
<tr>
<td>19-133</td>
<td>50</td>
<td>6.96</td>
</tr>
<tr>
<td>19-134</td>
<td>100</td>
<td>7.64</td>
</tr>
<tr>
<td>19-135</td>
<td>250</td>
<td>11.38</td>
</tr>
<tr>
<td>19-136</td>
<td>500</td>
<td>15.78</td>
</tr>
</tbody>
</table>

Flasks Earlenmeyer, narrow neck

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<tr>
<td>19-140</td>
<td>50</td>
<td>$3.04</td>
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<tr>
<td>19-141</td>
<td>100</td>
<td>2.88</td>
</tr>
<tr>
<td>19-142</td>
<td>250</td>
<td>3.05</td>
</tr>
<tr>
<td>19-143</td>
<td>500</td>
<td>3.98</td>
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<tr>
<td>19-144</td>
<td>1000</td>
<td>6.76</td>
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</table>

Burette, Straight bore glass stopcock, funnel top, Class B

<table>
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<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Price ea.</th>
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<tbody>
<tr>
<td>19-150</td>
<td>10 x .05</td>
<td>$21.25</td>
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<tr>
<td>19-151</td>
<td>25 x .10</td>
<td>21.25</td>
</tr>
<tr>
<td>19-152</td>
<td>50 x .10</td>
<td>21.25</td>
</tr>
<tr>
<td>19-153</td>
<td>100 x .20</td>
<td>24.98</td>
</tr>
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</table>

Burette, Straight bore teflon stopcock, funnel top, Class A

<table>
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<th>Price ea.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-160</td>
<td>10 x .05</td>
<td>$35.95</td>
</tr>
<tr>
<td>19-161</td>
<td>25 x .10</td>
<td>35.95</td>
</tr>
<tr>
<td>19-162</td>
<td>50 x .10</td>
<td>35.95</td>
</tr>
<tr>
<td>19-163</td>
<td>100 x .20</td>
<td>55.62</td>
</tr>
</tbody>
</table>
MEASURING TOOLS / BALANCES

CALIPER DEPTH BASE
Depth base converts calipers to spring loaded measuring tools. Maximum set stop for repeat, accurate measurements. Spring loaded—use for checking outside diameters or depth measurements.

29-100 Caliper Depth Base. Fits 6” calipers $24.00

COLOR “ONE-REV” DIAL CALIPERS
New color dial faces combine the convenience of widely spaced microfine graduations and protection of a covered depth rod and accuracy of hardened stainless steel rack. Dial hand completes one revolution per each .100”, thumbroll for rapid setting. Accuracy .001” per 6”.

<table>
<thead>
<tr>
<th>Range</th>
<th>Dial Face</th>
<th>Color</th>
<th>Depth</th>
<th>Price</th>
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<tbody>
<tr>
<td>29-105</td>
<td>6”</td>
<td>Blue</td>
<td>.001</td>
<td>1.6”</td>
</tr>
<tr>
<td>29-106</td>
<td>6”</td>
<td>Orange</td>
<td>.001</td>
<td>1.6”</td>
</tr>
<tr>
<td>29-107</td>
<td>6”</td>
<td>Black</td>
<td>.001</td>
<td>1.6”</td>
</tr>
<tr>
<td>29-108</td>
<td>6”</td>
<td>White</td>
<td>.001</td>
<td>2.0”</td>
</tr>
<tr>
<td>29-109</td>
<td>6”</td>
<td>White</td>
<td>.001</td>
<td>2-7/16”</td>
</tr>
</tbody>
</table>

ELECTRONIC DIGITAL BALANCES PORTABLE AND AFFORDABLE
Lux offers a full line of economical medium and high capacity Electronic Digital Balances. All are completely portable (running on battery or AC power) and offer easy digital keyboard operation. See chart for complete specifications on each model.

<table>
<thead>
<tr>
<th>CAT. NO.</th>
<th>30-115</th>
<th>116</th>
<th>117</th>
<th>118</th>
<th>119</th>
<th>120</th>
<th>121</th>
<th>122</th>
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<tbody>
<tr>
<td>CAPACITY (G.)</td>
<td>60</td>
<td>150</td>
<td>250</td>
<td>400</td>
<td>600</td>
<td>1200</td>
<td>4000</td>
<td>6000</td>
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<tr>
<td>LINEARITY (+-G.)</td>
<td>0.01</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>0.10</td>
<td>1</td>
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<tr>
<td>GRADUATION (G.)</td>
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<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>0.1</td>
<td>1</td>
<td>1</td>
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<tr>
<td>CALIBRATION MODES</td>
<td>USER FROM KEYPAD</td>
<td>FACTORY PRESET</td>
<td>USER FROM KEYPAD</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>STAINLESS STEEL TOP</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
<td>YES</td>
<td>YES</td>
<td>G.,OZ.,DWT.,OZT.</td>
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<td></td>
</tr>
<tr>
<td>TRAY TOP DIMENSIONS</td>
<td>31/4”X21/4”</td>
<td>51/4” X 51/4”</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>INCLUDED ACCESSORIES</td>
<td>CAL. WT, CAL. WT</td>
<td>AC/ADAPT</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PRICE</td>
<td>$395.00</td>
<td>$125.00</td>
<td>$150.00</td>
<td>$140.00</td>
<td>$200.00</td>
<td>$295.00</td>
<td>$150.00</td>
<td>$235.00</td>
</tr>
</tbody>
</table>
SOFTWARE WEDGE FOR WINDOWS


Software Wedge 32 Pro “WinWedge 32” provides higher speed data acquisition and instrument control with native 32-bit processing power for use with Windows 95 and NT applications. Includes same features as Software Wedge for Windows plus: Support for up to 99 serial ports simultaneously. DDE data transfers are 15—20% faster between WinWedge 32 and other 32 bit applications. Pre-grammable “Hot Key” control of WinWedge 32 in Windows 95 (the Hot Key capabilities of WinWedge Pro are only available in Windows 3.x). WinWedge 32 can automatically open Windows 95 applications and send data to them (WinWedge Pro can only do this with 16 bit Windows 3.x applications). Multiple applications may be open and receiving data simultaneously from many different instruments. Fully preemptive multitasking for faster data throughput. Long file names, better interfaces, and other improved features of Windows 95. Plus native 32 bit processing power takes complete advantage of the latest microprocessors & high speed serial ports.

29-130 Software Wedge for Windows (Professional Version). $395.00
29-131 Software Wedge for DOS (Professional Version). 295.00
29-132 Software Wedge 32 Pro (Professional Version). 495.00

Programs include installation/setup programs, direct on-line help files; 3 1/2" diskette; manual.

6” (150MM) POCKET STEEL RULE

Top—front view (Graduations: Metric 1mm, Inch 64ths.) Bottom—reverse side shows conversion table. Rule width = .470”; rule thickness = .021”; convenient pocket clip.

29-135 6”(150mm) Rule $5.50

HEAVY DUTY ELECTRONIC CALIPER WITH OUTPUT RS232

Incremental floating zero. Deviations read out directly with no math. Direct inch/metric conversion. Increased measuring, tracking speed of approx. 60”/second. Bottom jaw 3.2”; top jaws1.5”. Overall accuracy .0015”/.04mm.

29-136 0-12”/300mm $675.00

ULTRA-CAL III WITH OUTPUT RS232

New, high accuracy capacitive sensor. Reading .0005”. Direct inch/metric conversion. Accuracy .001”/.02mm; resolution .0005”/.01mm; repeatability 1 digit. 2 year battery life. .001”/.02mm graduation.

29-137 6”(150mm) Ultra-Cal III $169.00
29-138 8”(200mm) Ultra-Cal III 280.00

FOWLER/NSK MAX-CAL WITH OUTPUT

Powerful large scale integration with new microchip design allows full size computer functions in a small portable tool. True inch/metric conversion. Hold function holds anything in display. Resolution .0005”. Accuracy .001”. Floating zero; tolerance mode; min/max. Includes batteries and case.

29-139 6”(150mm) Max-Cal $149.50
29-140 8”(200mm) Max-Cal 265.00

BLACK FACE 4” DIAL CALIPER

Hardened stainless steel throughout. Measuring faces precision ground and microlapped for ultimate accuracy. Graduations per revolution .200”. Each dial graduation .002”. Includes case.

29-141 0-4” Black-fac Dial Caliper $39.50

NEW “SWISS STYLE” CALIPER

Black stylized face with white graduations and orange needle for easy reading. Stainless steel construction. Covered rack, Lock and thumbroll. One revolution reading. 4-way reading (inside, outside, depth and step). Graduation .001”/.02mm.

29-142 6” Swiss Style Caliper $69.50
### Microscopes & Magnifiers

**Exceptional Quality in an Affordably Priced Microscope**

This Microscope was developed and designed to meet the requirements of student and teaching needs and includes the following features usually found only in more expensive models:

- Inclined 344mm monocular Microscope with die cast base
- 45° inclined head fully rotatable through 360°
- Fully achromatic optical system
- Lock in 10x Widefield eyepiece with pointer
- Color coded parfocal DIN objectives - 4X, 10X, 40X Retractable
- Triple nosepiece with positive click stop
- Break-proof gears with slip clutch mechanism
- Safety rack stop to prevent damage to slides and objectives
- Fine focusing adjustment with 0.002mm value on knobs on both sides of the Microscope
- 5 aperture disc diaphragm
- A 115mm x 120mm stage with locked in stageclips and 0.65 condenser lens
- Built in base Illuminator
- Chemical resistant baked on finish
- Dust cover

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>21-500</td>
<td>Microscope</td>
<td>ea. $295.00</td>
</tr>
</tbody>
</table>

**Pocket-Scopes**

Pocket-Scope #52-662-040.

No moving parts so the Pocket-Scope never loses focus. Compound lens system of four parts gives accurate readings without adjusting. Provides on the job viewing not possible with other microscopes of this type. The special beveled opening gathers and focuses light on the workplace. Under 5” in length, its aluminum alloy shell protects lens system from breakage. Includes handy clip and case.

Micro-lite #52-662-045. Add to any Pocket-Scope with a spring clamp for greater illumination. Invaluable for inspection and measurement of hard to see/reach places. Includes case. (Uses AAA battery, not included).

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Field of View</th>
<th>Scale</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-662-020</td>
<td>20X Pocket-Scope w/.002&quot; reticle</td>
<td>.190&quot;</td>
<td>0-18&quot;</td>
<td>$28.00</td>
</tr>
<tr>
<td>52-662-040</td>
<td>40X Pocket-Scope w/.001&quot; reticle</td>
<td>.082&quot;</td>
<td>0-0.7&quot;</td>
<td>28.00</td>
</tr>
<tr>
<td>52-662-045</td>
<td>Micro-lite</td>
<td></td>
<td></td>
<td>20.00</td>
</tr>
</tbody>
</table>

**Optical Magnifiers**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-660-001</td>
<td>5X Loupe/plastic; focal distance 2&quot;, high quality, precise</td>
<td>$ 5.00</td>
</tr>
<tr>
<td>52-660-005</td>
<td>Swivel base with 15X magnification</td>
<td>75.00</td>
</tr>
<tr>
<td>52-660-007</td>
<td>Triple element lens of 7X magnification in a focusing mount</td>
<td>50.00</td>
</tr>
<tr>
<td>52-660-010</td>
<td>Double element magnifier 10X magnification</td>
<td>24.00</td>
</tr>
<tr>
<td>52-660-015</td>
<td>Combination of 3 lenses in 2 groups making an excellent achromatic magnifier of 15X</td>
<td>29.00</td>
</tr>
<tr>
<td>52-660-050</td>
<td>Illuminated 10X magnifier. (Batteries 2 C-size not incl.</td>
<td>33.00</td>
</tr>
</tbody>
</table>

**3-D Sighter**

Magnifies objects greatly—close work easier & more accurate. The finest prismatic lenses. Wear with eyeglasses and bifocals. Reduces chance of accident; eyes and forehead are protected. Improves working conditions and alleviates tension, strain and fatigue. Carton box included.

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Power</th>
<th>Distance</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>52-660-707</td>
<td>13/4X</td>
<td>Approximately 14&quot; from work</td>
<td>$21.00</td>
</tr>
<tr>
<td>52-660-727</td>
<td>21/4X</td>
<td>Approximately 10&quot; from work</td>
<td>21.00</td>
</tr>
<tr>
<td>52-660-737</td>
<td>23/4X</td>
<td>Approximately 8&quot; from work</td>
<td>23.00</td>
</tr>
</tbody>
</table>

**Measuring Microscopes**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Description</th>
<th>Working Distance</th>
<th>Field View</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>53-646-087</td>
<td>Microscope 20X with 90° crosshair reticle, 2X objective &amp; 10X eyepiece</td>
<td>.625&quot;</td>
<td>.200&quot;</td>
<td>$330.00</td>
</tr>
<tr>
<td>53-646-091</td>
<td>Microscope 60X with 90° crosshair reticle, 6X objective &amp; 10X eyepiece</td>
<td>.216&quot;</td>
<td>.078&quot;</td>
<td>360.00</td>
</tr>
<tr>
<td>53-646-096</td>
<td>Microscope 100X with 90° crosshair reticle, 15X objective &amp; 10X eyepiece</td>
<td>.1875&quot;</td>
<td>.062&quot;</td>
<td>360.00</td>
</tr>
<tr>
<td>53-646-098</td>
<td>Microscope 150X with 90° crosshair reticle, 15X objective &amp; 10X eyepiece</td>
<td>.362&quot;</td>
<td>.038&quot;</td>
<td>380.00</td>
</tr>
<tr>
<td>53-646-100</td>
<td>Microscope 200X with 90° crosshair reticle, 20X objective &amp; 10X eyepiece</td>
<td>.264&quot;</td>
<td>.028&quot;</td>
<td>495.00</td>
</tr>
</tbody>
</table>
### General-Purpose Mixer

Mixes low-viscosity fluids at high speeds - up to 10,000 rpm.

Use our general-purpose mixer for your routine, low-viscosity, laboratory mixing. This direct-drive mixer delivers speeds from 500 to 10,000 rpm. (NOTE: Not recommended for fuming corrosive materials.

Fuse protected, universal type motor has a compact speed controller conveniently attached. This solid-state controller provides exact speed setting within its 20:1 speed adjustment range. Potentiometer controls both on/off and variable speed settings for single direction mixing.

Mixer accepts a 3”/16” to 3/8” dia stirring shaft. Mixer comes with shaft; propeller*, 6” L mounting rod; a Jacobs-type chuck with key; and a 6 ft. three-wire cord with grounded plug.

#### Specifications and ordering information

<table>
<thead>
<tr>
<th>Type</th>
<th>General-purpose mixer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Range</td>
<td>500 to 10,000 rpm</td>
</tr>
<tr>
<td>Maxtorque</td>
<td>9.5 in-oz (up to 5000 rpm)</td>
</tr>
<tr>
<td>Motor</td>
<td>1/20 hp</td>
</tr>
<tr>
<td>Shaft size</td>
<td>5/16” to 3/8”</td>
</tr>
<tr>
<td>Dimensions</td>
<td>55/8”W x 41/4”H x33/8”D</td>
</tr>
<tr>
<td>Power</td>
<td>115 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Shpg wt</td>
<td>5 lbs (2.3 kg)</td>
</tr>
</tbody>
</table>

*1/2” x 3/8” dia stainless steel shaft and 11/16” dia stainless steel propeller.

#### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-135</td>
<td>$220.00</td>
</tr>
</tbody>
</table>

### Small Sample Laboratory Homogenizer

**Tissue Homogenizer**

The Tissue-Tearer is a rotatorator type tissue homogenizer which can rapidly homogenize, dispense, and split small samples in 0.5-5.0 ml of liquid. During operation, the suspended material is drawn into the core of the homogenizer by a rotor turning at 30,000 rpm. The material is repeatedly cycled through six narrow slits in the stator where it is rapidly sheared and disintegrated by high frequency mechanical action. Complete homogenization of tissues (muscle, liver, breast tissue, etc.) is usually achieved in ten to thirty seconds. Samples can be processed in test tubes kept cold during treatment by immersion in an ice bath.

#### Specifications:

<table>
<thead>
<tr>
<th>Sample Volume Range</th>
<th>0.3 to 50 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal Motor</td>
<td>120 VAC/DC 50/60 Hz</td>
</tr>
<tr>
<td>Variable Speed</td>
<td>5,000 to 30,000 rpm</td>
</tr>
<tr>
<td>Loading</td>
<td>138 watts</td>
</tr>
<tr>
<td>Overall Length</td>
<td>9 inches</td>
</tr>
<tr>
<td>Probe Length</td>
<td>3.25” in (8.3 cm)</td>
</tr>
<tr>
<td>Probe diameter</td>
<td>0.28” in (7mm)</td>
</tr>
<tr>
<td>Weight</td>
<td>15 oz</td>
</tr>
</tbody>
</table>

WARNING NOT SUITABLE FOR USE WITH FLAMMABLE SOLVENTS

#### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-130</td>
<td>Complete Tissue* Tearor</td>
<td>$544.00</td>
</tr>
</tbody>
</table>

### 2-Speed Hand-Held Mixer/Homogenizer

The 2-Speed Hand-Held Homogenizer can be used in any container with a 2 1/4” or larger opening. Low speed is at 12,000 rpm and high at 16,000 rpm. The stirring shaft is 5 1/2” and made of chrome plated stainless steel and blade guard is aluminum alloy. The unit’s overall length is a compact 13 1/2” and it weighs 2 lbs. 2 oz. allowing easy one-handed operation. The Homogenizer comes with a stand for bench top or wall mounting, 1 500ml plastic beaker, 1 whipping disk, 1 mixing disk, 1 chopping blade, 1 cutting blade and a grinding mill attachment with 2 blades. 120 VAC and UL listed.

#### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-140</td>
<td>Hand-Held Homogenizer</td>
<td>$65.00</td>
</tr>
</tbody>
</table>

### Microfuge Sample Pestle

Teflon® pestle is mounted on a stainless steel shaft. Overall 5 5/8” long. Designed to fit into the 1.5ml polypropylene sample tube with captive cap with 0.02” clearance. Shaft is (3.2mm) diameter. Can be used by hand or motorized. Ideal for re-suspending lyophilized products or precipitates or homogenizing in the sample tube. Since some microfuge tubes have a rounded bottoms and some have a pointed bottoms, 22-145 has a rounded tip and 22-146 has a pointed tip.

#### Ordering Information

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-145</td>
<td>Microfuge Pestle, rounded</td>
<td>$32.20</td>
</tr>
<tr>
<td>22-146</td>
<td>Microfuge Pestle, pointed</td>
<td>$32.20</td>
</tr>
</tbody>
</table>
**Tissue Grinders**

Polypropylene Tissue Grinders, available in two configurations, efficiently homogenize tissue and cells in test, centrifuge and grinding tubes. All are steam autoclavable at 250°F. The Conical tip with rounded end tapers from 8.2mm to 2.9mm over its 19mm length, shaft is 21cm long. The Spherical tip is 7.8mm dia., shaft is 20cm long. All shafts are 4.8mm dia.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case/Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-150</td>
<td>Conical Tissue Grinder</td>
<td>bag/6</td>
<td>$8.00</td>
</tr>
<tr>
<td>22-151</td>
<td>Spherical Tissue Grinder</td>
<td>bag/6</td>
<td>8.00</td>
</tr>
</tbody>
</table>

**Pestle Mixer with Matched 1.5ML Tube**

Economical, Disposable and Autolavable Polypropylene pestles and 1.5ML microcentrifuge tubes are used to resuspend precipitates such as protein or DNA pellets in buffer solution, or to grind soft tissue. The pestles are matched to fit the tubes. These sets are excellent for processing large numbers of samples.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case/Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>22-155</td>
<td>Green pestle and 1.5 ML tube</td>
<td>100</td>
<td>48.00</td>
</tr>
</tbody>
</table>

**Vici Precision Sampling C-120 Series Liquid Microsyringes**

This teflon plunger-tipped syringe is traditionally a popular choice for general purpose chromatography work. In addition to the basic features of all Pressure-Lok microsyringes, the C-120 offers as standard equipment a barrel extension beyond the rear flange which permits attachment of a vacuum bulb or line for easier filling or cleaning.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size/Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-110</td>
<td>5 UL</td>
<td>$39.00</td>
</tr>
<tr>
<td>23-111</td>
<td>10 UL</td>
<td>39.00</td>
</tr>
<tr>
<td>23-112</td>
<td>25 UL</td>
<td>39.00</td>
</tr>
<tr>
<td>23-113</td>
<td>50 UL</td>
<td>39.00</td>
</tr>
<tr>
<td>23-114</td>
<td>100 UL</td>
<td>39.00</td>
</tr>
</tbody>
</table>

**Vici Precision Sampling D-140 Series Liquid Microsyringes**

Designed for small volume injection into gas chromatographs, the D-140 contains the entire sample within the needle. A wire plunger within the needle totally displaces sample, providing a high degree of precision. Low-dead volume design.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size/Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-100</td>
<td>0-1 ml</td>
<td>$62.00</td>
</tr>
<tr>
<td>23-101</td>
<td>0-2 ml</td>
<td>62.00</td>
</tr>
<tr>
<td>23-102</td>
<td>0-5 ml</td>
<td>64.00</td>
</tr>
<tr>
<td>23-103</td>
<td>0-10 ml</td>
<td>64.00</td>
</tr>
</tbody>
</table>

**Fixed Needle Size .019” x .005” x 2”, Bevel Point**
VICI PRECISION
SAMPLING
SERIES D GAS SYRINGES

This is our high-precision, no frills gas syringe. An economically priced gas sampling syringe which still affords more features than conventional gas-tight designs: leak-tight, Pressure-Lok plunger design; and special low-dead volume needle connector for accurate gas samples.

SYRINGE NEEDLE (Pkg. of 3)

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-1008</td>
<td>.029&quot; x .012&quot; x 2&quot; Bevel, Open-end</td>
<td>$40.00</td>
</tr>
</tbody>
</table>

VICI PRECISION
SAMPLING
MINI NERT VALVES

CRIMP-TOP VIALS

Teflon Construction For Inertness
Only Teflon and glass come in contact with contents.

Fail-Safe Back-up Seal
Seals the needle during sampling, but not exposed to contents when the valve is closed. No swelling, leakage, or absorptions as with ordinary closures. Easily replaced without exposing vial contents to the atmosphere.

One-handed Operation
Simple, push-button action – green to open, red to close.

Catalog Number Description Price
23-195 Fits crimp-top vials with 20 mm finish $90.00
Pack of 12 pcs.

VICI PRECISION
SAMPLING
SERIES C GAS SYRINGES

This is the syringe for everyday use in lab sampling. This is a heavy duty gas syringe, featuring positive rear plunger stop and special low-dead volume, removable needle. It does not have sample storage capability.

<table>
<thead>
<tr>
<th>SYRINGE</th>
<th>NEEDLE (Pkg. of 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cat. No.</td>
<td>Size/Type</td>
</tr>
<tr>
<td>23-170</td>
<td>1 ml</td>
</tr>
<tr>
<td>23-171</td>
<td>2 ml</td>
</tr>
</tbody>
</table>

VICI PRECISION
SAMPLING
CGV - 130 SERIES LIQUID MICROSYRINGES

The CGV-130 series syringe is the same construction as the CG-130, but has a side vent that can be used to fill or clean the syringe. Heavy, reinforced plunger housed within an enlarged “plunger guide” section of the barrel eliminates plunger-bending. Small front section of plunger is confined within the guide section even when plunger is retracted. Sturdy upper section of plunger absorbs force of a rapid down stroke. Handles gas pressures to 250 psi. If plunger-bending is a problem that’s contributing to excessive syringe repair bills in your lab, our CGV-130 could be the solution. Available in 10 ul, 25 ul, 50 ul and 100 ul sizes with fixed needle.

Heavy Reinforced Plunger
Heavy reinforced plunger eliminates plunger bending.

Plunger Guide in Barrel
Smaller front section of plunger is confined within guide section.

Two Sizes
Fixed needles are available in .28" x .005" x 3.25" and .028" x .008 x 3.75" (50 ul & 100 ul only)

Pressure-Lok Teflon Plunger Tip
This tip is fabricated from virgin Teflon and is specially stress-formed, self-lubricating and durable.

Shaped Glass Flange
This prevents the syringe from rolling and provides a secure finger grip.

Side Vent
Allows for easy cleaning and filling of syringe.

Catalog Number Syringe Size Needle Size/Type Price
23-160 10 ul .028" x .005" x 3.25" Bevel Point $70.00
23-161 25 ul .028" x .005" x 3.25" Bevel Point 70.00
23-162 50 ul .028" x .005" x 3.25" Bevel Point 70.00
23-163 50 ul .028" x .008" x 3.75" Bevel Point 75.00
23-164 100 ul .028" x .005" x 3.25" Bevel Point 70.00
23-165 100 ul .028" x .008" x 3.75" Bevel Point 75.00
VICI PRECISION SAMPLING
C-160 SERIES LIQUID MICROSYRINGES

For its day-in, day-out dependability and economical price, the C-160 has become our most popular microsyringe. It's available with fixed and removable needles, handles gas samples as easily as liquids, and is gas tight to 250 si.

Ultra Smooth Bore
High quality borosilicate glass provides extremely smooth bore to insure a durable plunger seal.

Removable Needles
A special pressure-tight, low-dead volume connection facilitates easy replacement and removal of needles and insures a leak tight fit. New seals are supplied with all replacement needles.

Teflon Plunger Needle
This tip is fabricated from virgin Teflon and is specially stress-formed, self-lubricating and durable.

Teflon Sealed Needle
A barrier sleeve of Teflon on the rear of the needle isolates the sample from the needle cement, thus preventing possible dissolution of the cement or contamination of the sample.

Shaped Rear Flange
This prevents the syringe from rolling and provides a secure finger grip.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Type</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-130</td>
<td>5 UL</td>
<td>Fixed Needle</td>
<td>$26.00</td>
</tr>
<tr>
<td>23-131</td>
<td>5 UL</td>
<td>Removable Needle</td>
<td>40.00</td>
</tr>
<tr>
<td>23-132</td>
<td>10UL</td>
<td>Fixed Needle</td>
<td>20.00</td>
</tr>
<tr>
<td>23-133</td>
<td>10 UL</td>
<td>Removable Needle</td>
<td>27.00</td>
</tr>
<tr>
<td>23-134</td>
<td>25 U31.00L</td>
<td>Fixed Needle</td>
<td>24.00</td>
</tr>
<tr>
<td>23-135</td>
<td>25 U33.00L</td>
<td>Removable Needle</td>
<td>31.00</td>
</tr>
<tr>
<td>23-136</td>
<td>50 U35.00L</td>
<td>Fixed Needle</td>
<td>26.00</td>
</tr>
<tr>
<td>23-137</td>
<td>50 UL</td>
<td>Removable Needle</td>
<td>33.00</td>
</tr>
<tr>
<td>23-138</td>
<td>100 UL</td>
<td>Fixed Needle</td>
<td>28.00</td>
</tr>
<tr>
<td>23-139</td>
<td>100 UL</td>
<td>Removable Needle</td>
<td>35.00</td>
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</tbody>
</table>

Fixed Needle Size .019” x .005” x 2”
Removable Needle Size .019” x .005” x 2.25”
Type: Bevel, Open End
Pack of 3 Catalog No. 23-140
Price: $24.00

VICI PRECISION SAMPLING A-2 SERIES GAS SYRINGES

The Pressure-Lok A-2 syringe is our best and most popular gas syringe. It features a unique push-button valve which allows sample storage capability in syringes as small as 25ul. This is particularly useful when handling small liquid samples containing low-boiling components which would be lost through evaporation using ordinary syringes. In addition to sample storage capability, the push-button valve allows for pre-pressurization of samples prior to injection. By pre-pressurizing the sample gas to match or exceed the pressure in the chromatograph, the sample can be flushed instantaneously into the column as a “slug”, as the illustrations show.

Low Dead Volume With Removable Needle
When plunger is fully depressed, plunger face comes into firm, flush contact with the bottom of the front packing, forcing virtually all of the sample out.

Pressure-Lok Plunger Tip
Fabricated of virgin Teflon and stress-formed to stay leak-tight from vacuum to 250psi.

Positive Rear Stop
Prevents plunger from blowing out of barrel at elevated pressures, protecting against accidental sample loss or possible operator injury on the 25 ml to 10 ml models.

Push Button Valve
Allows sample to be stored in syringe and pre-pressurization of sample prior to injection.

Replaceable Parts
The A-2 can be quickly disassembled for easy cleaning or replacement.

Like all Pressure-Lok models, the A-2 starts out leak-tight and stays leak-tight. The A-2 uses a special needle and needle connector designed specifically for chromatography or other analytical sampling, with significantly lower dead volume than conventional style Luer connectors.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-145</td>
<td>25 UL</td>
<td>$59.00</td>
</tr>
<tr>
<td>23-146</td>
<td>50 UL</td>
<td>59.00</td>
</tr>
<tr>
<td>23-147</td>
<td>0.10 UL</td>
<td>62.00</td>
</tr>
<tr>
<td>23-148</td>
<td>0.25 UL</td>
<td>62.00</td>
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<tr>
<td>23-149</td>
<td>0.50 UL</td>
<td>62.00</td>
</tr>
<tr>
<td>23-150</td>
<td>1 ml</td>
<td>64.00</td>
</tr>
<tr>
<td>23-151</td>
<td>2 ml</td>
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<tr>
<td>23-152</td>
<td>5 ml</td>
<td>67.00</td>
</tr>
<tr>
<td>23-153</td>
<td>10 ml</td>
<td>67.00</td>
</tr>
<tr>
<td>23-145N</td>
<td>.028” x .005” x 2”, Bevel point</td>
<td>20.00</td>
</tr>
<tr>
<td>23-146N</td>
<td>.028” x .005” x 2”, Bevel point</td>
<td>20.00</td>
</tr>
<tr>
<td>23-147N</td>
<td>.028” x .005” x 2”, Bevel point</td>
<td>20.00</td>
</tr>
<tr>
<td>23-148N</td>
<td>.029” x .012” x 2”, Bevel point</td>
<td>20.00</td>
</tr>
<tr>
<td>23-149N</td>
<td>.029” x .012” x 2”, Bevel point</td>
<td>20.00</td>
</tr>
<tr>
<td>23-150N</td>
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<tr>
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<tr>
<td>23-152N</td>
<td>.029” x .012” x 2”, Bevel point</td>
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</tr>
<tr>
<td>23-153N</td>
<td>.029” x .012” x 2”, Bevel point</td>
<td>20.00</td>
</tr>
</tbody>
</table>
**VICI PRECISION SAMPLING SERIES A GAS SYRINGES PRESSURE-LOK**

Same advantages of the A-2 syringe, but with a turn valve instead of a push-button valve.

**Sample Storage Valve**
An integral part of the syringe front, valve permits storage of samples either at sub-ambient pressures or elevated pressures to 250 psi. Ideal for discrete sampling and storage. Also permits pre-pressureization of sample prior to injection. This eliminates back-flushing of carrier gas, which generally results in sharper peaks and, therefore, better separations.

**Low-Dead Volume**
When plunger is fully depressed, plunger face comes into firm, flush contact with the bottom of the front packing, forcing virtually all of the sample out. Practically no compressible dead volume remains. Volume of the needle is also minimized by its very small internal diameter.

**Positive Rear Flange Plunger Stop**
Prevents plunger from blowing out of barrel at elevated pressures, protecting against accidental sample loss or possible operator injury on the 0.25 ml to 10 ml.

**Pressure-Lok Plunger Tip**
Fabricated of virgin Teflon and stress-formed to stay leak-tight from vacuum to 250 psi. Self-lubricating for smooth operation.

**Modular Construction**
All components of the Series A gas syringe may be quickly disassembled for easy cleaning or replacement. Extra barrel assemblies, needles, front seals, plunger tips, etc. may be ordered for most sizes.

**How The Series A Turn-Valve Works**
Turn the nosepiece counter-clockwise two turns, and the channel is closed. Sample may then be stored or pressurized.

Turn the nosepiece clockwise two (2) quick turns to open channel for sample injection. Push plunger as you turn valve.

<table>
<thead>
<tr>
<th>SYRINGE</th>
<th>NEELDE (Pkg. of 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>Size</td>
</tr>
<tr>
<td>23-195</td>
<td>0.1 ml</td>
</tr>
<tr>
<td>23-196</td>
<td>0.2 ml</td>
</tr>
<tr>
<td>23-197</td>
<td>0.5 ml</td>
</tr>
<tr>
<td>23-198</td>
<td>1 ml</td>
</tr>
<tr>
<td>23-199</td>
<td>2 ml</td>
</tr>
<tr>
<td>23-200</td>
<td>5 ml</td>
</tr>
<tr>
<td>23-201</td>
<td>10 ml</td>
</tr>
</tbody>
</table>

**VICI PRECISION SAMPLING GAS SYRINGES MAGNUM PRESSURE-LOK**

Built-in Twist Lock Valve Capacities Up To 500ml Leak-Tight To 30 PSI Or Nearly 2 Atmospheres Volumetric Accuracy To 1%

Positive Rear Plunger Stop Heavy-Duty Construction Easy To Disassemble

Detection of low concentration levels of various environmental contaminants often require extraordinarily large samples. The main requirements for a system to satisfactorily handle such large samples of such a critical nature are that it be leak-tight, easy-to-use and made of inert materials to be as free as possible from background contamination. Pressure-Lok Magnum Gas Syringes were designed with these requirements in mind.

Pressure-Lok Magnums facilitate trapping of samples in remote locations. A built-in valve allows the samples to be reliably sealed within the syringe, thereby maintaining sample integrity during transportation to the analysis site. Pressure-Lok Magnums have been used successfully for sampling atmospheric contaminants such as sulfur dioxide and oxides of nitrogen at distant points of the earth. The positive displacement capability of the durable Teflon plunger seal permits use in a variety of subsequent procedures which involve extraction or concentration of trace components (for example, with a cryogenic enrichment apparatus). Pressure-Lok Magnums are among the largest gas-tight syringes of inert Teflon and glass construction available. Yet, in spite of their size and their heavy duty construction, Pressure-Lok Magnums are easy to handle and operate. Specially formed Teflon seals permit leak-tight operation to 30 psi (approximately 2 atmospheres). Because it is obviously dangerous to over-pressure any glass container, the internal pressure of Pressure-Lok Magnum Gas Syringes should never be allowed to exceed 2 atmospheres.

For versatility, the standard termination of the Magnum syringe is a female threaded fitting which accepts a variety of male connector fittings or adapters (1/4” x 28 thread).

<table>
<thead>
<tr>
<th>SYRINGE</th>
<th>NEELDE (Pkg. of 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catalog Number</td>
<td>Size</td>
</tr>
<tr>
<td>23-215</td>
<td>20 ml</td>
</tr>
<tr>
<td>23-216</td>
<td>20 ml (Luer-Lock)</td>
</tr>
<tr>
<td>23-217</td>
<td>50 ml</td>
</tr>
<tr>
<td>23-218</td>
<td>50 ml (Luer-Lock)</td>
</tr>
<tr>
<td>23-219</td>
<td>100 ml</td>
</tr>
<tr>
<td>23-220</td>
<td>100 ml (Luer-Lock)</td>
</tr>
<tr>
<td>23-221</td>
<td>250 ml</td>
</tr>
<tr>
<td>23-222</td>
<td>250 ml (Luer-Lock)</td>
</tr>
<tr>
<td>23-223</td>
<td>500 ml</td>
</tr>
<tr>
<td>23-224</td>
<td>500 ml (Luer-Lock)</td>
</tr>
</tbody>
</table>
VICI PRECISION
SAMPLING
MININERT VALVES
FOR SCREW-CAP VIALS
Economical To Use
Mininert Valves save time and money through conservation of reagents, etc., and are reusable.
Useable to 105°F and 120 psi
ASTM Approve For Method D4307

12 Pieces Per Pack

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>23-240</td>
<td>Fits 13 mm - 425 Screw Cap</td>
<td>$66.00</td>
</tr>
<tr>
<td>23-241</td>
<td>Fits 15mm - 425 Screw Cap</td>
<td>68.00</td>
</tr>
<tr>
<td>23-242</td>
<td>Fits 18 mm - 400 Screw Cap</td>
<td>72.00</td>
</tr>
<tr>
<td>23-243</td>
<td>Fits 20 mm - 400 Screw Cap</td>
<td>76.00</td>
</tr>
<tr>
<td>23-244</td>
<td>Fits 24 mm - 400 Screw Cap</td>
<td>80.00</td>
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FOAM
BENCH, DRAWER, SHELF LINERS
Surface covering for the protection of valuable glassware
Convenient to Use ...
A resilient surface that helps to cushion sensitive instruments against vibration and can reduce breakage. Provides surface protection from chemicals, heat, dirt, and broken glass. Can be easily cut to exact desired size. May be taped or otherwise secured in place. Either side is usable. Save money, use one side until dirty and then turn it over.

Unique Features:
• Closed-cell electron irradiation cross-linked polyethylene foam
• Matt - white
• Nonabsorbent
• Chemically resistant
• 2 lb. density
• Tape, staple or tack in place
• Nonwetting for easy cleaning
• Usable both sides
• No chlorofluorocarbon blowing agents used

Multiple Sizes ...

<table>
<thead>
<tr>
<th>ROLLS:</th>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12” wide x 1/8” thick</td>
<td>25-100</td>
<td>$42.00</td>
</tr>
<tr>
<td>18” wide x 1/8” thick</td>
<td>25-101</td>
<td>55.00</td>
</tr>
<tr>
<td>30” wide x 1/8” thick</td>
<td>25-102</td>
<td>86.50</td>
</tr>
<tr>
<td>all in 50 foot length</td>
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<td></td>
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</table>

<table>
<thead>
<tr>
<th>SHEETS:</th>
<th>Catalog Number</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>½” thickness only</td>
<td>25-105</td>
<td>20.00</td>
</tr>
<tr>
<td>10½” x 12”</td>
<td>25-106</td>
<td>24.20</td>
</tr>
<tr>
<td>16” x 21”</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Per Carton</td>
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</table>

VICI PRECISION
SAMPLING
LIQUID SYRINGE
PURGE & TRAP
The Environment Purge and Trap syringe was specially designed with the chromatographer in mind. Its heavy duty construction helps eliminate replacement cost due to breakage. The unique design eliminates injuries due to breaking of glass while in the hands of the user. The leak-tight plunger is fabricated from virgin Teflon and specially stress-formed. All environmental syringes are repairable.

Pressure-Lok Plunger Tip
Plunger tips in the environmental syringes are fabricated of Teflon to be leak-tight.

Luer-Lock
All syringes have Luer-Lock for use with purge and trap analysis.

Heavy Duty Rear Flange
Flat edges on rear flange prevents the syringe from falling.

Frosted Glass on Syringe Barrel
A portion of the syringe barrel is frosted to allow easy reading of sample volume. Can be used to write contents of sample in the syringe.

Catalog
Number | Size  | Price |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>23-251</td>
<td>5 ml</td>
<td>$54.00</td>
</tr>
<tr>
<td>23-252</td>
<td>10 ml</td>
<td>$4.00</td>
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</table>

ABSORBENT LINERS
Protect surfaces ...
Absorbs liquids
Convenient to Use ...
Protect benchtops, floors, and carts with this highly absorbent cover. Keeps spills from spreading.
Cushions the surface while absorbing liquids. Backing is waterproof and resistant to most chemicals. Made of highly absorbent polymeric non-wovens with a polypropylene backing.

Unique Features:
• Absorbs Spills
• Retains Liquids
• Soft and durable
• Can be cut to size
• Easy to use
• Inexpensive

Multiple Sizes ...

<table>
<thead>
<tr>
<th>ROLLS:</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>25-110 - 20” x 50’</td>
<td>$20.75</td>
</tr>
<tr>
<td>in dispenser box</td>
<td></td>
</tr>
<tr>
<td>25-111 - 20” x 300’</td>
<td>65.00</td>
</tr>
<tr>
<td>one roll</td>
<td></td>
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<tr>
<td>25-112 - 20” x 300’</td>
<td>119.00</td>
</tr>
<tr>
<td>two rolls</td>
<td></td>
</tr>
</tbody>
</table>
**Bench Surface Protectors**

**Teflon® Surface Protector**

Available in Teflon/ Vinyl and Teflon/ Aluminum.

**Teflon/Vinyl**

.001” Teflon bonded to .008” vinyl general purpose surface protector that provides a corrosion resistant, smooth surface. Recommended for applications up to 200°F.

**Teflon/Aluminum Foil**

.001” Teflon bonded to .002” Aluminum Foil. Recommended for high temperature surface protection for applications over 200°F but less than 400°F.

Self-Adhesive Teflon-on-Vinyl or Teflon-on-Foil overlays protect work surfaces from virtually all corrosive chemicals and contamination. Provides an inexpensive way to protect bench tops, fume hoods, virtually any surface from corrosive chemicals. Works like contact paper. Simply cut with scissors or knife to fit. Peel off backing material and press into place. Can be pulled up and repositioned if necessary.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case</th>
<th>Pack</th>
<th>Price/Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-115</td>
<td>12.5” wide x 15 foot</td>
<td>48</td>
<td>100</td>
<td>$51.00</td>
</tr>
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<td>25-116</td>
<td>18” wide x 15 foot</td>
<td>48</td>
<td>100</td>
<td>$72.00</td>
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<tr>
<td>25-117</td>
<td>20” wide x 10 foot</td>
<td>48</td>
<td>100</td>
<td>$103.00</td>
</tr>
<tr>
<td>25-118</td>
<td>20” wide x 18 foot</td>
<td>48</td>
<td>100</td>
<td>$199.00</td>
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<tr>
<td>25-119</td>
<td>25” wide x 15 foot</td>
<td>48</td>
<td>100</td>
<td>$97.00</td>
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**Teflon/Aluminum Foil**

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<th>Description</th>
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<tr>
<td>25-125</td>
<td>25” wide x 15 foot</td>
<td>24</td>
<td>100</td>
<td>$154.00</td>
</tr>
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</table>

**GLASS DROPPERS**

Supplied with rubber bulb, glass pipet, cap, assembled to bottles.

**GLASS BOTTLES**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case</th>
<th>Pack</th>
<th>Price/Roll</th>
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</thead>
<tbody>
<tr>
<td>26-200</td>
<td>1/2 oz Boston Round Clear</td>
<td>48</td>
<td>100</td>
<td>$45.02</td>
</tr>
<tr>
<td>26-201</td>
<td>1/2 oz Boston Round Amber</td>
<td>48</td>
<td>100</td>
<td>$45.02</td>
</tr>
<tr>
<td>26-202</td>
<td>1 oz Boston Round Clear</td>
<td>48</td>
<td>100</td>
<td>$47.34</td>
</tr>
<tr>
<td>26-203</td>
<td>1 oz Boston Round Amber</td>
<td>48</td>
<td>100</td>
<td>$47.34</td>
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<tr>
<td>22-204</td>
<td>2 oz Boston Round Clear</td>
<td>48</td>
<td>100</td>
<td>$53.76</td>
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<tr>
<td>22-205</td>
<td>2 oz Boston Round Amber</td>
<td>48</td>
<td>100</td>
<td>$53.76</td>
</tr>
<tr>
<td>22-206</td>
<td>4 oz Boston Round Clear</td>
<td>24</td>
<td>100</td>
<td>$28.87</td>
</tr>
<tr>
<td>22-207</td>
<td>4 oz Boston Round Amber</td>
<td>24</td>
<td>100</td>
<td>$28.87</td>
</tr>
</tbody>
</table>

**Vials with Glass Drophers**

Supplied with rubber bulb, glass pipet, cap, assembled to vials.

**Cataloque**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case</th>
<th>Pack</th>
<th>Price/Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-100</td>
<td>2 ml 12x32mm Clear</td>
<td>100</td>
<td>100</td>
<td>$61.20</td>
</tr>
<tr>
<td>26-101</td>
<td>2 ml 12x32mm Amber</td>
<td>100</td>
<td>100</td>
<td>$64.20</td>
</tr>
<tr>
<td>26-102</td>
<td>4 ml 15x45mm Clear</td>
<td>100</td>
<td>100</td>
<td>$64.20</td>
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<tr>
<td>26-103</td>
<td>4 ml 15x45mm Amber</td>
<td>100</td>
<td>100</td>
<td>$67.40</td>
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<tr>
<td>26-104</td>
<td>2 dram 17x60mm Clear</td>
<td>100</td>
<td>100</td>
<td>$69.40</td>
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<tr>
<td>26-105</td>
<td>2 dram 17x60mm Amber</td>
<td>100</td>
<td>100</td>
<td>$72.80</td>
</tr>
<tr>
<td>26-106</td>
<td>3 dram 19x65mm Clear</td>
<td>100</td>
<td>100</td>
<td>$76.40</td>
</tr>
<tr>
<td>26-107</td>
<td>3 dram 19x65mm Amber</td>
<td>100</td>
<td>100</td>
<td>$78.60</td>
</tr>
<tr>
<td>26-108</td>
<td>4 dram 21x70mm Clear</td>
<td>100</td>
<td>100</td>
<td>$82.60</td>
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<tr>
<td>26-109</td>
<td>4 dram 21x70mm Amber</td>
<td>100</td>
<td>100</td>
<td>$85.00</td>
</tr>
<tr>
<td>26-110</td>
<td>6 dram 23x85mm Clear</td>
<td>100</td>
<td>100</td>
<td>$89.30</td>
</tr>
<tr>
<td>26-111</td>
<td>6 dram 23x85mm Amber</td>
<td>100</td>
<td>100</td>
<td>$92.00</td>
</tr>
</tbody>
</table>

**Plastic Bottles** - Low Density Polyethylene

Supplied with rubber bulb, glass pipet, cap, assembled to vials.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case</th>
<th>Pack</th>
<th>Price/Roll</th>
</tr>
</thead>
<tbody>
<tr>
<td>26-210</td>
<td>1/2 oz Boston Round Natural</td>
<td>48</td>
<td>100</td>
<td>$45.02</td>
</tr>
<tr>
<td>26-211</td>
<td>1 oz Boston Round Natural</td>
<td>48</td>
<td>100</td>
<td>$47.34</td>
</tr>
<tr>
<td>26-212</td>
<td>2 oz Boston Round Natural</td>
<td>48</td>
<td>100</td>
<td>$53.76</td>
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<tr>
<td>26-213</td>
<td>4 oz Boston Round Natural</td>
<td>24</td>
<td>100</td>
<td>$28.87</td>
</tr>
<tr>
<td>Item</td>
<td>Description</td>
<td>Price</td>
<td></td>
<td></td>
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<tr>
<td>--------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SF-2</td>
<td>4½&quot; straight, fine points, serrated handles and tips. Smooth handle, serrated tips. Regular Points or extra Sharp Points. Nickel Plated.</td>
<td>$5.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SF-3</td>
<td>4½&quot; straight, fine points, serrated handles and tips. Nickel Plated, with or without guide pins.</td>
<td>$13.85</td>
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</tr>
<tr>
<td>SF-3-C</td>
<td>Chrome Plated</td>
<td>$15.66</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SF-3-S</td>
<td>Stainless Steel</td>
<td>$21.40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SF-4</td>
<td>4½&quot; curved, fine points, serrated handles and tips. Nickel Plated, with or without guide pins.</td>
<td>$13.96</td>
<td></td>
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</tr>
<tr>
<td>SF-4-C</td>
<td>Chrome Plated</td>
<td>$17.00</td>
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<td></td>
</tr>
<tr>
<td>SF-4-S</td>
<td>Stainless Steel</td>
<td>$22.58</td>
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<td></td>
</tr>
<tr>
<td>SF-5</td>
<td>4½&quot; straight, medium points, serrated handles and tips. Nickel Plated with guide pins.</td>
<td>$13.85</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SF-6</td>
<td>4½&quot; curved, medium points, serrated handles and tips. Nickel Plated with guide pins.</td>
<td>$15.09</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-63</td>
<td>5&quot; straight, fine points, serrated handles and tips. Nickel Plated.</td>
<td>$14.55</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-64</td>
<td>5&quot; straight, broad points, serrated handles and tips. Nickel Plated.</td>
<td>$14.48</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1906</td>
<td>4&quot; square flat tips, curved, serrated handles, without guide pins. Nickel Plated.</td>
<td>$16.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1904</td>
<td>4½&quot; straight, square flat tips, serrated handles, with guide pins. Nickel Plated.</td>
<td>$16.44</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1908</td>
<td>4½&quot; Novy Style, one tip square and flat, the other tip is fine point and curved, with guide pin. Nickel Plated.</td>
<td>$21.24</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A-250</td>
<td>4½&quot; Microscopic Scissors. Straight Blades, fine point. Nickel or Chrome Plated. Blades ground inside.</td>
<td>$33.52</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B-260</td>
<td>Same as A-250 only with Curved Blades. Nickel or Chrome Plated.</td>
<td>$33.53</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000</td>
<td>Nichrome wire needle. 8&quot; Aluminum handle with 3&quot; Nichrome wire, 25 gauge, needle.</td>
<td>$9.16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3001</td>
<td>Nichrome wire loop. 8&quot; Aluminum handle with 3&quot; Nichrome wire, 25 gauge, loop.</td>
<td>$9.16</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Prices are for Packs of 12 Pieces
### DISSECTING INSTRUMENTS

**1-800-220-7574**

[www.sls-lux.com](http://www.sls-lux.com)

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>41/2&quot; Thumb Forceps Chrome</td>
<td>$26.52</td>
<td>27-4.5</td>
</tr>
<tr>
<td>5&quot; Thumb Forceps Chrome</td>
<td>$25.26</td>
<td>27-5</td>
</tr>
<tr>
<td>51/2&quot; Thumb Forceps Chrome</td>
<td>$26.68</td>
<td>27-5.5</td>
</tr>
<tr>
<td>6&quot; Thumb Forceps Chrome</td>
<td>$29.67</td>
<td>27-6</td>
</tr>
<tr>
<td>8&quot; Thumb Forceps Chrome</td>
<td>$47.43</td>
<td>27-8</td>
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<tr>
<td>10&quot; Thumb Forceps Chrome</td>
<td>$62.80</td>
<td>27-10</td>
</tr>
<tr>
<td>12&quot; Thumb Forceps Chrome</td>
<td>$79.16</td>
<td>27-12</td>
</tr>
</tbody>
</table>

*Prices are for Packs of 12 Pieces*

---

**A-66**

5" straight, broad points, Chicago Pattern, serrated handles and tips. Nickel Plated.

**Price** $22.62

**A-67**

5½" straight, broad points, Covel, serrated handles and tips. Nickel Plated.

**Price** $22.62

**P-41/2"**

4½" rounded, serrated tips, serrated handles with goose neck shanks. No pins. Nickel Plated.

**Price** $21.98

**C-21**

Screw Lock Handle w/2 screws, not assembled. Nickel Plated.

**Price** $16.52

**C-22**

Screw Lock Scapel w/22 Blades assembled. Nickel Plated.

**Price** $25.15

**52-S**

Straight Teasing Needle in 4" wooden handle.

**Price** $1.37

**52-C**

Curved Teasing Needle in 4" wooden handle.

**Price** $1.49

**54-S**

Straight Teasing Needle "Only".

**Price** $3.30

**54-C**

Curved Teasing Needle "Only".

**Price** $5.61

**H-35**

3" Hex Style Needle Holder. Nickel Plated Brass. Screw device to hold needle in place. Assembled with 1 straight needle.

**Price** $17.85

---

**F-14**

6" Flexible Probe Olive pointed tip.

**Price** $14.10

**R-11**


**Price** $16.59

**29**

Flesh Hooks, double prongs 2½" Nickel.

**Price** $9.67

**RUSSIAN 4½" & 5½"**

Chrome Forceps w/ Serrated handles and 4½" No pins. Available in 4½" and 5½".

**Price** $18.25 $19.49

**27**

2¼ Straight, Artery Clamp, Chrome Plated.

**Price** $34.58

**28**

2½ Curved, Artery Clamp, Chrome Plated.

**Price** $37.71

**USA**

Forceps—3" Square tip, Chrome Plated.

**Price** $4.15

**SSW**

Watchmaker Forceps—4" Stainless Steel, very fine points.

**Price** $79.11

**A-125**


**Price** $16.02

A-125-G Same as regular A-125 only blades are ground.

**Price** $19.71
LANCE SCALPELS

Lance sterile disposable scalpels are packaged 10 per box, 50 boxes per case. Each scalpel is packaged in a sterile peel-open package and is supplied with a flexible blade cover for user protection. Available in sizes 10-24.

Lance non-sterile scalpels are packaged 100 per box, and are available in size 11, 15 and 20.

Non-Sterile

<table>
<thead>
<tr>
<th>Size</th>
<th>Catalog Number</th>
<th>Package Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>27-101</td>
<td>100</td>
<td>$43.00</td>
</tr>
<tr>
<td>15</td>
<td>27-103</td>
<td>100</td>
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<tr>
<td>20</td>
<td>27-104</td>
<td>100</td>
<td>43.00</td>
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Sterile

<table>
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<tr>
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<tbody>
<tr>
<td>27-100S</td>
<td>10</td>
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<tr>
<td>27-102S</td>
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<td>8.50</td>
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<tr>
<td>27-103S</td>
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<td>8.50</td>
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<td>27-104S</td>
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<tr>
<td>27-106S</td>
<td>10</td>
<td>8.50</td>
</tr>
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</table>

DISPOSABLE SCALPELS - CINCINNATI SURGICAL

Cincinnati Surgical Scalpels incorporate the C/S superior stainless steel blade on a uniquely designed handle. Each scalpel is supplied with a flexible blade cover for complete user protection.

Sterile Scalpels are packaged 10 per box. Non-sterile Scalpels are packaged 100 per box.

Non-sterile

<table>
<thead>
<tr>
<th>Size</th>
<th>Catalog Number</th>
<th>Package Quantity</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>10</td>
<td>27-120</td>
<td>100</td>
<td>$42.00</td>
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<tr>
<td>11</td>
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<td>27-122</td>
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</tr>
<tr>
<td>15</td>
<td>27-123</td>
<td>100</td>
<td>42.00</td>
</tr>
<tr>
<td>20</td>
<td>27-124</td>
<td>100</td>
<td>42.00</td>
</tr>
<tr>
<td>21</td>
<td>27-125</td>
<td>100</td>
<td>42.00</td>
</tr>
<tr>
<td>22</td>
<td>27-126</td>
<td>100</td>
<td>42.00</td>
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Sterile

<table>
<thead>
<tr>
<th>Size</th>
<th>Catalog Number</th>
<th>Package Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>12</td>
<td>27-122S</td>
<td>10</td>
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<tr>
<td>15</td>
<td>27-123S</td>
<td>10</td>
<td>7.50</td>
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<td>20</td>
<td>27-124S</td>
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<td>7.50</td>
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<td>21</td>
<td>27-125S</td>
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<td>7.50</td>
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<tr>
<td>22</td>
<td>27-126S</td>
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MARTIN SPECIALTY SCALPELS

AVAILABLE STERILE ONLY

<table>
<thead>
<tr>
<th>Size</th>
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<th>Package Quantity</th>
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<tr>
<td>12D</td>
<td>27-115</td>
<td>10</td>
<td>$14.00</td>
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<tr>
<td>15C</td>
<td>27-110</td>
<td>10</td>
<td>14.00</td>
</tr>
</tbody>
</table>
A NEW BROAD SPECTRUM DISINFECTANT WHICH CLEANS TOO!

Envirocide™ disinfects within 10 minutes with a broad spectrum of efficacy: HIV-1 (AIDS virus) • Mycobacterium tuberculosis (TB) • Herpes simplex type 1 & 2 • Polio virus type 1 & 2 • Coxsackievirus • Staphylococcus aureus • Escherichia coli • Streptococcus • Pseudomonas aeruginosa • Salmonella choleraesuis • Trichophyton mentagrophytes • Aspergillus niger • mold, mildew, and many more. Envirocide is two products in one. Its detergent action cleans and disinfects and it does not contain toxic phenols, bleach or glutaraldehyde that require precautions such as skin, eye or respiratory protection. It is nontoxic, nonstaining, noncorrosive and will not discolor surfaces. Envirocide comes ready to use, there is no dilution, mixing or activation which reduces the risk of errors, exposure, spills and waste, and is biodegradable for easy disposal with no special handling required. It will not harm sanitation systems, is EPA registered and approved and meets OSHA requirements (29 CFR Part 1910.1030, OSHA Instructions CPL 2-2.44B).

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-110</td>
<td>Envirocide 24oz. w/sprayer</td>
<td>$8.22</td>
</tr>
<tr>
<td>24-111</td>
<td>Envirocide 1 gal. refill</td>
<td>$21.71</td>
</tr>
<tr>
<td>24-112</td>
<td>Envirocide 5 gal. w/spout</td>
<td>$80.88</td>
</tr>
</tbody>
</table>

SCRUBCARE™ ANTIMICROBIAL NON-AEROSOL BARRIER CREAM REDUCES IRRITATION FROM LATEX, POWDER AND CHEMICALS

ScrubCare contains PCMX to help protect against pathogenic microorganisms and Aloe Vera to smoothe and heal dry, chapped or cracked hands. ScrubCare dries quickly, so you don’t have to wait to put your gloves on, and unlike other competing products, it contains no mineral oil or petrolatum both of which can weaken or breakdown latex. ScrubCare contains skin protectants and Silicone to provide a lasting barrier on the skin which increases water and chemical repellency. It protects skin from repeated washings and reduce irritation from latex, powder and chemicals.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-115</td>
<td>ScrubCare, 18oz. Pump Bottle</td>
<td>$11.27</td>
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</tbody>
</table>

VIONEX® ANTIMICROBIAL SOAP PROTECTS, SOOTHE AND MOISTURIZES

Vionex Antimicrobial Soap should be an essential part of the Exposure Control Program in every lab. It complies with all OSHA hand washing regulations in the lab, using Nonoxynol-9 and PCMX to kill and inhibit a broad spectrum of pathogenic microorganisms, yet will not damage skin. Non-irritating, fresh-smelling Vionex contains skin moisturizers and conditioners which prevent chapping and cracking, and reduce irritation even with frequent hand washing. It is packaged in a convenient 18oz. refillable pump bottle, and is also available in a economical 1 gallon size for refilling bottles.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-120</td>
<td>Vionex Soap, 18 oz bottle</td>
<td>$9.40</td>
</tr>
<tr>
<td>24-121</td>
<td>Vionex Soap, 1 gal bottle</td>
<td>$30.91</td>
</tr>
</tbody>
</table>

KILL BACTERIA AND VIRUSES FAST

Cide-Swipes™ kill bacteria and viruses in just 60 seconds, ten times faster than most disinfectants, eliminating the problem of drying too fast or being wiped off too soon. They are safer than mixing concentrates and are in the E.P.A.’s safest toxicity category for disinfectants.

Economical, waste-free Cide-Swipes need no applicator, gloves, dispensing bottles or labor costs in mixing and dispensing concentrates. The 8.5” x 11 heavy duty individually packed towellettes are convenient for treating angular and uneven surfaces and make precise disinfecting a simple procedure. The pads are ideal for treating work benches and other flat surfaces. Thin foil makes them easy to handles. Bacteria and viruses Cide-Swipes have been found effective in killing include: • Pseudomonas aeruginosa • Staphylococcus aureus • Salmonella choleraesuis • Proteus mirabilis • Serratia marcesens • Escherichia coli • Staphylococcus faecalis • Polio Virus I • Herpes Type I • Herpes Type II.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>24-1001 Cide-Swipes Towellettes box/25</td>
<td>$27.00</td>
<td></td>
</tr>
<tr>
<td>24-101 Cide-Swipes Towellettes cs/100</td>
<td>106.10</td>
<td></td>
</tr>
<tr>
<td>24-102 Cide-Swipes Pads box/50</td>
<td>30.68</td>
<td></td>
</tr>
<tr>
<td>24-103 Cide-Swipes Pads cs/200</td>
<td>116.90</td>
<td></td>
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</tbody>
</table>
ELECTROMAGNETIC STIRRERS

Noiseless, Heatless, Superflat
with 1, 6, 15 or 60 Points

The first superflat, fully electronic magnetic stirrers for the laboratory with no moving parts, hermetically molded in a stainless steel housing, provide limitless service-free operation. Impervious to moisture, corrosion, dust and dirt, they can be disinfected and totally immersed in water for cleaning (even the control panel is water tight). Since there are no moving parts there is nothing to wear out. Operation is noiseless and there is no heat emission to effect growing biological cultures.

These quite compact stirrers, scarcely larger than the stirring vessels themselves, can be operated in cold rooms, ovens and incubators, in dust-laden environments, corrosive vapors, even in 100% humidity. Ambient temperature range is -10° to +50°C.

MULTIPOINT STIRRERS
SUPER FLAT!
SUPER EFFICIENT!

Multiple stirring and shaking systems with 6, 15, and 60 stirring points. 6 and 15 point models accept 6 each 100ml Erlenmeyer flasks, the 15 point model accepts up to 15 each 250ml beakers, and the 60 point model accepts 60 centrifuge tubes 16 to 25mm dia. and/or 60 flasks and beakers up to 50ml. Irrespective of number and assortment of vessels, all stirring bars rotate in a synchronous manner, ensuring 100% comparability of samples.

Two types of stirring actions are available. Touch the stir key and the stirring bars automatically center and start to stir. To prevent vortexing, touch the shake key and the stirring bars reverse every half rotation, producing a shaking action. Stirring range: 100 to 850 rpm; shaking range: 100 to 850 spm. Dimensions: 420 x 240 x 35mm, stirring point distances: 6 pt. model=130mm; 15 pt. model=65mm; 60 pt. model=32mm. NOTE: for viscous fluids or where high rpm’s are required the 20 watt models are recommended.

COMPACT SINGLE STIRRERS

Adjustable magnetic power and input wattage, allowing a stable rotation of large or small stirring bars. Stirring range: 100 to 1000 rpm.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-100</td>
<td>Single Stirrer, 4 watts</td>
<td>ea. $350.00</td>
</tr>
<tr>
<td>14-110</td>
<td>Single Stirrer, 3 steps</td>
<td>ea. 375.00</td>
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</table>

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-115</td>
<td>Stirrer, 6 pts, 7 watts</td>
<td>ea. $1250.00</td>
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<tr>
<td>14-116</td>
<td>Stirrer, 6 pts, 20 watts</td>
<td>ea. 1565.00</td>
</tr>
<tr>
<td>14-117</td>
<td>Stirrer, 15 pts, 7 watts</td>
<td>ea. 1495.00</td>
</tr>
<tr>
<td>14-118</td>
<td>Stirrer, 15 pts, 20 watts</td>
<td>ea. 1775.00</td>
</tr>
<tr>
<td>14-119</td>
<td>Stirrer, 60 pts, 7 watts</td>
<td>ea. 2450.00</td>
</tr>
<tr>
<td>14-120</td>
<td>Stirrer, 60 pts, 20 watts</td>
<td>ea. 2750.00</td>
</tr>
</tbody>
</table>
HPLC SOLVENT FILTRATION AND DEGASSING

All Teflon® Filter-Degasser – the Simple Approach to Solvent Purification

- All Teflon construction – inert to most solvents, aqueous or organic
- Simple to install – fits directly on your standard solvent bottles or Erlenmeyer flasks.
- Simple and economical to use – attach to any available vacuum line, put in the filter and you’re operational.
- In-line device can filter/degass 1 gallon in less than 10 minutes.
- Vacuum line also establishes siphon to transfer solvent to storage bottle.

Filtration and degassing of solvents and samples prior to analysis is recommended by most instrument manufacturers. Instrument manufacturers understand that particulate matter in solvents can cause damage to expensive pumps, clog analytical columns, and in general cause wear and tear to the instruments.

The combination of particulate matter and dissolved gasses in solvents can also create spurious peaks or can result in baseline instability. Dissolved oxygen in solvents can cause direct interference with fluorescence and electrochemical detectors.

HPLC grade solvents, even though filtered prior to shipment by the manufacturer, can accumulate particles during storage due to shedding from the solvent containers and solvent condensation or polymerization. The use of salts and buffers can also significantly contribute to particles in the mobile phase.

Filtration and degassing of solvents with the LAZAR Filter-Degasser reduces instrument down-time, prolongs the life of the analytical columns, pumps, and valves and most importantly helps the instrument perform in optimal fashion.

Versatility and Flexibility

The LAZAR Filter-Degasser can be used to accommodate almost all HPLC applications. For most isocratic applications, the Filter-Degasser can be directly screwed onto the popular 1 liter HPLC solvent/reservoir bottle (38mm cap). In this fashion, it is not necessary to further transfer the filtered-degassed solvent where reabsorption of gasses as well as particle contamination can further occur. 28mm and 33mm caps for 250 and 500ml bottles are also available.

The Filter-Degasser with 38mm cap also fits on the standard one gallon (4 liter) solvent bottle for filtration and degassing of solvent without requiring an operator's attention. A gallon of solvent can usually be filtered in less than 10 minutes. Further, the Filter-Degasser is also available with 24/40 and 19/22 standard taper for use with various Erlenmeyer and volumetric flasks. In addition it can be used with a 40/35 standard taper for use with the Millipore® type filtration flasks.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Item Description</th>
<th>Price</th>
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<tbody>
<tr>
<td>15-100</td>
<td>Filter Degasser with 38mm cap.</td>
<td>$469.00</td>
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<tr>
<td>15-101</td>
<td>Filter Degasser with 33mm cap.</td>
<td>469.00</td>
</tr>
<tr>
<td>15-102</td>
<td>Filter Degasser with 28mm cap.</td>
<td>469.00</td>
</tr>
<tr>
<td>15-103</td>
<td>Filter Degasser with 24/40 std. taper.</td>
<td>469.00</td>
</tr>
<tr>
<td>15-104</td>
<td>Filter Degasser with 19/22 std. taper.</td>
<td>469.00</td>
</tr>
<tr>
<td>15-105</td>
<td>Filter Degasser with 40/35 std. taper.</td>
<td>469.00</td>
</tr>
<tr>
<td>15-106</td>
<td>Filter Membranes Teflon filter membranes for organic solvents, pkg of 10</td>
<td>77.26</td>
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<tr>
<td>15-107</td>
<td>Filter Membranes (47mm dia., 0.2 micrometer porosity)</td>
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</tr>
<tr>
<td>15-108</td>
<td>Filter Membranes (47mm dia., 0.45 micrometer porosity)</td>
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<tr>
<td>15-109</td>
<td>Filter Membranes</td>
<td></td>
</tr>
<tr>
<td>15-110</td>
<td>Hydrophilic filter membranes for aqueous solvents, pkg of 10</td>
<td>50.00</td>
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<tr>
<td>15-115</td>
<td>Chempure Filtration System with 38mm cap.</td>
<td>327.08</td>
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<tr>
<td>15-116</td>
<td>Chempure Filtration System with 33mm cap.</td>
<td>327.08</td>
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<tr>
<td>15-117</td>
<td>Chempure Filtration System with 28mm cap.</td>
<td>327.08</td>
</tr>
<tr>
<td>15-118</td>
<td>Chempure Filtration System with 24/40 std. taper.</td>
<td>327.08</td>
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<tr>
<td>15-119</td>
<td>Chempure Filtration System with 19/22 std. taper.</td>
<td>327.08</td>
</tr>
<tr>
<td>15-120</td>
<td>Chempure Filtration System with 40/35 std. taper.</td>
<td>327.08</td>
</tr>
<tr>
<td>15-121</td>
<td>Teflon funnel extender</td>
<td>127.00</td>
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<tr>
<td>15-122</td>
<td>Filter Membranes Teflon filter membranes for organic solvents, pkg of 10</td>
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<tr>
<td>15-123</td>
<td>Filter Membranes</td>
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<tr>
<td>15-124</td>
<td>Hydrophilic filter membranes for aqueous solvents, pkg of 10</td>
<td>50.00</td>
</tr>
<tr>
<td>15-125</td>
<td>Vacuum Filtration Manifold System with 3 Filter-Degassers</td>
<td>1915.90</td>
</tr>
<tr>
<td>15-126</td>
<td>Vacuum Filtration Manifold System with 3 chempures.</td>
<td>1915.90</td>
</tr>
<tr>
<td>15-127</td>
<td>Vacuum Filtration Manifold System without filtration units</td>
<td>352.00</td>
</tr>
</tbody>
</table>
TEST TUBES

Precision-molded from premium grade polystyrene or polypropylene, these general purpose tubes are ideal for a wide range of applications.

CONVENIENT AND RELIABLE

• Prevents the breakage problems associated with glass test tubes.
• Available in several convenient sizes.
• Polypropylene tubes are tough, autoclavable, and chemically resistant.
• Polystyrene tubes offer glass-like clarity.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size</th>
<th>Bottom</th>
<th>Material</th>
<th>Volume</th>
<th>Inner Pack</th>
<th>Case Pack</th>
<th>Case Price</th>
<th>Compatible Plug Cap</th>
<th>Compatible 2-Position Cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-100</td>
<td>12 x 55</td>
<td>Round</td>
<td>PS</td>
<td>3 ml</td>
<td>Bag 500</td>
<td>2000</td>
<td>$48.00</td>
<td>16-100P</td>
<td>16-100P2</td>
</tr>
<tr>
<td>16-101</td>
<td>12 x 55</td>
<td>Round</td>
<td>PP</td>
<td>3 ml</td>
<td>Bag 500</td>
<td>2000</td>
<td>$48.00</td>
<td>16-101P</td>
<td>16-101P2</td>
</tr>
<tr>
<td>16-102</td>
<td>12 x 75</td>
<td>Round</td>
<td>PS</td>
<td>5 ml</td>
<td>Bag 250</td>
<td>2000</td>
<td>$48.00</td>
<td>16-102P</td>
<td>16-102P2</td>
</tr>
<tr>
<td>16-104</td>
<td>12 x 75</td>
<td>Round</td>
<td>PP</td>
<td>5 ml</td>
<td>Bag 250</td>
<td>2000</td>
<td>$48.00</td>
<td>16-104P</td>
<td>16-104P2</td>
</tr>
<tr>
<td>16-105</td>
<td>12 x 75</td>
<td>Conical</td>
<td>PS</td>
<td>5 ml</td>
<td>Bag 250</td>
<td>2000</td>
<td>$50.00</td>
<td>16-105P</td>
<td>16-105P2</td>
</tr>
<tr>
<td>16-106</td>
<td>12 x 75</td>
<td>Conical</td>
<td>PP</td>
<td>5 ml</td>
<td>Bag 250</td>
<td>2000</td>
<td>$50.00</td>
<td>16-106P</td>
<td>16-106P2</td>
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<tr>
<td>16-107</td>
<td>13 x 100</td>
<td>Round</td>
<td>PS</td>
<td>8 ml</td>
<td>Bag 250</td>
<td>2000</td>
<td>$60.00</td>
<td>16-107P</td>
<td>N/A</td>
</tr>
<tr>
<td>16-108</td>
<td>16 x 100</td>
<td>Round</td>
<td>PS</td>
<td>14 ml</td>
<td>Bag 500</td>
<td>1000</td>
<td>$42.00</td>
<td>16-109P</td>
<td>N/A</td>
</tr>
<tr>
<td>16-110</td>
<td>16 x 100</td>
<td>Round</td>
<td>PP</td>
<td>14 ml</td>
<td>Bag 500</td>
<td>1000</td>
<td>$42.00</td>
<td>16-110P</td>
<td>N/A</td>
</tr>
<tr>
<td>16-111</td>
<td>17 x 100</td>
<td>Round</td>
<td>PS</td>
<td>16 ml</td>
<td>Bag 500</td>
<td>1000</td>
<td>$42.00</td>
<td>16-111P</td>
<td>16-111P2</td>
</tr>
<tr>
<td>16-112</td>
<td>17 x 100</td>
<td>Round</td>
<td>PP</td>
<td>16 ml</td>
<td>Bag 500</td>
<td>1000</td>
<td>$42.00</td>
<td>16-112P</td>
<td>16-112P2</td>
</tr>
</tbody>
</table>

CAPS

• All caps are molded from polyethylene and come 1000 per unit.
• Natural two-position caps are available for 12mm and 17mm tubes for aerobic or anaerobic closing.
• All plug caps are available in one of seven colors, or in an assortment of all seven colors. Colors are: blue, green, lavender, orange, red, white, and yellow. Please specify color when ordering

TRANSPORT VIALS

Transport vials – ideal for sample collections, storage, and safety. Made from virgin polypropylene, they are available in three sizes, sterile or non-sterile. Graduations provide accurate references. Supplied with a screw cap that has a molded-in sealing ring for a leakproof fit. Features include:

• Conical tubes with freestanding skirts.
• Tubes are autoclavable.
• Write-on area on side.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Inner Pack</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-120</td>
<td>5 ml Transport Vials with white screw caps</td>
<td>Bag 250</td>
<td>1000</td>
<td>$58.00</td>
</tr>
<tr>
<td>16-121</td>
<td>5 ml Transport Vials with white screw caps, sterile</td>
<td>Bag 25</td>
<td>500</td>
<td>$44.00</td>
</tr>
<tr>
<td>16-122</td>
<td>10 ml Transport Vials with white screw caps</td>
<td>Bag 250</td>
<td>1000</td>
<td>$60.00</td>
</tr>
<tr>
<td>16-123</td>
<td>10 ml Transport Vials with white screw caps, sterile</td>
<td>Bag 25</td>
<td>500</td>
<td>$47.00</td>
</tr>
<tr>
<td>16-124</td>
<td>50 ml Transport Vials with blue screw caps</td>
<td>Bag 500</td>
<td>500</td>
<td>$80.00</td>
</tr>
<tr>
<td>16-125</td>
<td>50 ml Transport Vials with blue screw caps, sterile</td>
<td>Bag 25</td>
<td>500</td>
<td>$100.00</td>
</tr>
</tbody>
</table>
MULTI-USE TEST TUBES

• Choice of Materials: Polystyrene for clarity or Polypropylene for all-around chemical resistance.
• Sizes from 10 x 65mm to 17 x 100mm.
• Sample Integrity: Chemical free, inert materials minimize contamination risk.
• Reliable, Consistent Performance: Tube dimensions and lot-to-lot uniformity are continuously monitored by stringent quality control checks.
• Durable – impact strength is enhanced by heavy wall thickness
• Round Bottom – for easy sample removal.

Polystyrene Test Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Nominal</th>
<th>Nominal</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-130</td>
<td>10x65</td>
<td>-</td>
<td>3.1</td>
<td>1000</td>
</tr>
<tr>
<td>16-131</td>
<td>10x75</td>
<td>-</td>
<td>3.5</td>
<td>1000</td>
</tr>
<tr>
<td>16-132</td>
<td>12x55</td>
<td>-</td>
<td>3.8</td>
<td>4 x 250/Bag</td>
</tr>
<tr>
<td>16-133</td>
<td>12x75</td>
<td>-</td>
<td>5.4</td>
<td>1000</td>
</tr>
<tr>
<td>16-134</td>
<td>12x75</td>
<td>-</td>
<td>5.4</td>
<td>2500</td>
</tr>
<tr>
<td>16-135</td>
<td>12x75</td>
<td>Press Snap Cap</td>
<td>5.4</td>
<td>1000</td>
</tr>
<tr>
<td>16-136</td>
<td>13x100</td>
<td>-</td>
<td>8.8</td>
<td>4 x 250/Bag</td>
</tr>
<tr>
<td>16-137</td>
<td>13x100</td>
<td>Screw Cap</td>
<td>8.0</td>
<td>4 x 250/Bag</td>
</tr>
<tr>
<td>16-138</td>
<td>16x100</td>
<td>-</td>
<td>14.5</td>
<td>4 x 250/Bag</td>
</tr>
<tr>
<td>16-139</td>
<td>16x125</td>
<td>-</td>
<td>18.0</td>
<td>2 x 500/Bag</td>
</tr>
<tr>
<td>16-140</td>
<td>16x125</td>
<td>Screw Cap</td>
<td>16.6</td>
<td>4 x 250/Bag</td>
</tr>
<tr>
<td>16-141</td>
<td>16x150</td>
<td>Screw Cap</td>
<td>20.3</td>
<td>4 x 250/Bag</td>
</tr>
<tr>
<td>16-142</td>
<td>17x100</td>
<td>-</td>
<td>14.9</td>
<td>4 x 250/Bag</td>
</tr>
</tbody>
</table>

Polypropylene Test Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Nominal</th>
<th>Description</th>
<th>Nominal</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-145</td>
<td>12x75</td>
<td>-</td>
<td>5.5</td>
<td>1000</td>
<td>$30.25</td>
</tr>
<tr>
<td>16-146</td>
<td>12x75</td>
<td>-</td>
<td>5.5</td>
<td>2500</td>
<td>73.13</td>
</tr>
<tr>
<td>16-147</td>
<td>12x75</td>
<td>Blue</td>
<td>5.5</td>
<td>1000</td>
<td>36.00</td>
</tr>
<tr>
<td>16-148</td>
<td>12x75</td>
<td>Pink</td>
<td>5.5</td>
<td>1000</td>
<td>36.00</td>
</tr>
<tr>
<td>16-149</td>
<td>12x75</td>
<td>Green</td>
<td>5.5</td>
<td>1000</td>
<td>36.00</td>
</tr>
<tr>
<td>16-150</td>
<td>12x75</td>
<td>Tan</td>
<td>5.5</td>
<td>1000</td>
<td>36.00</td>
</tr>
<tr>
<td>16-151</td>
<td>12x75</td>
<td>Assorted</td>
<td>5.5</td>
<td>1000</td>
<td>36.00</td>
</tr>
<tr>
<td>16-152</td>
<td>12x75</td>
<td>Press Snap Cap</td>
<td>5.2</td>
<td>1000</td>
<td>53.25</td>
</tr>
<tr>
<td>16-153</td>
<td>13x100</td>
<td>-</td>
<td>8.5</td>
<td>4 x 250/Bag</td>
<td></td>
</tr>
<tr>
<td>16-154</td>
<td>16x125</td>
<td>-</td>
<td>17.8</td>
<td>2 x 500/Bag</td>
<td></td>
</tr>
<tr>
<td>16-155</td>
<td>17x100</td>
<td>-</td>
<td>14.4</td>
<td>4 x 250/Bag</td>
<td></td>
</tr>
</tbody>
</table>

PRINTED TEST TUBES

• Printed volume graduations.
• Large write-on areas.

Printed Test Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Nominal</th>
<th>Description</th>
<th>Nominal</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-160</td>
<td>12x75</td>
<td>Printed Tube, Polypropylene</td>
<td>5.5</td>
<td>4 boxes of 250</td>
<td>$52.00</td>
</tr>
</tbody>
</table>
**TRANSPORT TUBES**

Designed for safe, leak-proof transport and storage of laboratory samples
- Shatterproof polypropylene tubes
- Free standing with conical bottom
- 5.0mL, 10.0mL and 50.0mL sizes
- 1mL graduations with frosted write on areas on 5ml and 10mL
- Leakproof blue threaded plug seal caps
- Printed or molded-in graduations
- Available sterile or non-sterile

### 5mL Transport Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Sterile</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-165</td>
<td>Tube with Cap</td>
<td>Non-Sterile</td>
<td>1000</td>
<td>$48.00</td>
</tr>
<tr>
<td>16-166</td>
<td>Tube Only</td>
<td>Non-Sterile</td>
<td>1000</td>
<td>35.00</td>
</tr>
<tr>
<td>16-167</td>
<td>Screw Cap Only</td>
<td>Non-Sterile</td>
<td>1000</td>
<td>22.00</td>
</tr>
</tbody>
</table>

### 10mL Transport Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Sterile</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-175</td>
<td>Tube with Cap</td>
<td>Non-Sterile</td>
<td>1000</td>
<td>$58.00</td>
</tr>
<tr>
<td>16-176</td>
<td>Tube Only</td>
<td>Non-Sterile</td>
<td>1000</td>
<td>45.00</td>
</tr>
<tr>
<td>16-177</td>
<td>Screw Cap Only</td>
<td>Non-Sterile</td>
<td>1000</td>
<td>22.00</td>
</tr>
</tbody>
</table>

### 50mL Transport Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Sterile</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-185</td>
<td>Tube with Cap</td>
<td>Non-Sterile</td>
<td>10 Bags of 50</td>
<td>93.00</td>
</tr>
<tr>
<td>16-186</td>
<td>Precapped Tube</td>
<td>Sterile</td>
<td>20 Bags of 25</td>
<td>104.00</td>
</tr>
</tbody>
</table>

### 100mL Transport Tubes

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Sterile</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>16-188</td>
<td>Tube with Cap</td>
<td>Plug Seal</td>
<td>10 Bags of 50</td>
<td>103.00</td>
</tr>
</tbody>
</table>
CUVETTES, VISIBLE RANGE
SEMI-MICRO, 1.5ML

HIGH QUALITY
POLYSTYRENE

These exceptionally fine quality polystyrene cuvettes are designed for assays throughout the 340nm to 750nm visible spectral range. A standard 1 cm light path and recessed windows provide maximum light transmission. Scale down your assay volumes to save on costly reagents using these specially designed cuvettes that have a minimum filling volume of 1.0ml. Packaged 100 per covered tray, with 500 per case. Dimensions: 12.5 x 12.5 x 45mm. Windows: 5 x 23 mm. Light Path: 10mm.

17-100 VIS Semi-Micro Cuvettes $56.00 case/500

CUVETTES, VISIBLE RANGE
MACRO, 4.5ML

These exceptionally fine quality polystyrene cuvettes are designed for assays throughout the 340nm to 750nm visible spectral range. These specially designed cuvettes handle up to 4.5ml total volume with minimum filling volume of 2.5ml and a maximum of 4.5ml. Molded arrow indicates the direction of transmission for optimal signal and reproducibility. Packaged 100 per covered tray, with 500 per case. Dimensions: 12.5 x 12.5 x 45mm. Window: 10 x 35mm. Light Path: 10mm.

17-105 VIS Macro Cuvettes $44.90 case/500

CUVETTE HOLDER

Holder is made of low density polyethylene and holds 12 glass, silica, or plastic disposable spectrophotometric standard cuvettes (external dimensions 10 x 10 mm). Permits easy control of the color of the solution to be measured and helps avoid hazard from breakage. The cuvettes can also be fitted horizontally after usage for storing purposes. Dimensions: 170 mm x 50 mm x 15 mm H (approx. 63/4” x 2” x 1/2” H). Supplied 5 per package.

17-107 Cuvette Holder $12.10 pkg./5

CUVETTE CAPS
(LDPE)

Polyethylene. Dust covers to fit cuvettes.

17-120 Cuvette Caps $52.84 case/1000

CUVETTES, VIS-
UV RANGE
SEMI-MICRO, 1.5ML

Injection molded from a superior grade of methacrylate designed for accuracy throughout the VIS-UV spectral range from 285nm to 750nm. Excellent optical qualities throughout the spectral range make these cuvettes perfect for scanning small volumes, enzyme rate reactions, and standard curve determinations. Packaged 100 per covered tray, with 500 per case.

17-110 VIS-UV Semi-Micro Cuvettes $57.10 case/500

CUVETTES, VIS-
UV RANGE
MACRO, 4.5ML

A superior grade of methacrylate provides an excellent degree of light transmission throughout the VIS-UV spectral range from 285nm to 750nm. These cuvettes are ideal for scanning, enzyme rate reactions (with small delta absorbances), and standard curve determinations. These cuvettes have a minimum filling volume of 2.5ml and a maximum of 4.5ml. Packaged 100 per covered tray, with 500 per case.

17-115 VIS-UV Macro Cuvettes $73.20 case/500

CUVETTES, 4
CLEAR SIDES
MACRO 4.5ML

Optically superior designs specifically for fluorimetry make this an excellent choice for nephelometry and spectrophotometry, too. A negligible variation in absorbance between the 4 optical sides allows readings from any side. The polystyrene cuvettes are accurate in the 340nm to 750nm visible spectral range. The methacrylate cuvettes are accurate throughout the 285nm to 750nm VIS-UV spectral range. Standard 1 cm light path. Packaged 100 per covered tray, with 500 per case.

17-125 VIS Macro Cuvettes $46.50 case/500
17-126 UV-VIS Macro Cuvettes $66.00 case/500

Note: 4 Clear-Sided Cuvettes not sorted by nest numbers.
DISPOSABLE CUVERTES

- 10mm cuvettes for use with most spectrophotometers, nephelometers and fluorometers.
- All cuvettes average 70% light transmission at 340nm with maximum variance ±3% and deliver up to 84% at 800nm.
- 4.5mL square cuvette with four clear sides and integral reference marks available in UV inhibitor-less Ultra-Vu® polystyrene or Super-Vu® acrylic.
- 2.9mL micro square cuvette available in Ultra-Vu® polystyrene.
- Trays are made from recyclable expanded polystyrene foam to eliminate scratching and are shrink-wrapped to eliminate dust particles.
- Polyethylene caps are available for both sizes of cuvettes; square caps for the 4.5mL size and round plug-tite caps for the 2.9mL size.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>17-130</td>
<td>Ultra-Vu, Square, 4 Clear Sides, Polystyrene, 4.5mL</td>
<td>500 (10x10 tray; x 5)</td>
<td>$50.00</td>
</tr>
<tr>
<td>17-131</td>
<td>Ultra-Vu, Square, 4 Clear Sides, Polystyrene, 4.5mL</td>
<td>120 (12x10 tray)</td>
<td>12.00</td>
</tr>
<tr>
<td>17-132</td>
<td>Super-Vu, Square, 4 Clear Sides, Acrylic 4.5mL</td>
<td>500 (10x10 tray; x 5)</td>
<td>63.00</td>
</tr>
<tr>
<td>17-133</td>
<td>Ultra-Vu, Micro Square, Polystyrene, 2.9mL</td>
<td>500 (10x10 tray; x 5)</td>
<td>53.00</td>
</tr>
<tr>
<td>17-134</td>
<td>Square Cap Closure, Polyethylene</td>
<td>1000/Polybag</td>
<td>33.00</td>
</tr>
<tr>
<td>17-135</td>
<td>Flange Plug Tite Cap, Polyethylene</td>
<td>1000/Polybag</td>
<td>19.00</td>
</tr>
</tbody>
</table>

VAKUWASH® AN ECONOMICAL AND STURDY CELL AND TUBE WASHING DEVICE

All-plastic Vakuwash Cell Washer replaces the costly and antiquated apparatus that is often more fragile than the cells it washes. The Vakuwash comes complete with a 500cc polypropylene vacuum flask, Vikem® vinyl stopper and tube and is ready for connection to a vacuum pump. The mouth of an inverted cell is pressed against the rubber cushion to induce suction. Water or other cleaning fluid poured into the 3½” (89mm) diameter funnel is sprayed forcibly into the cell and then drains into the flask. Continued pressure on the cell creates an air flow which dries the cell. A final wash in acetone aids in removing water droplets. The Vakuwash Tube Washer is modified for washing Nuclear Magnetic Resonance tubes (or similar long tubes). It is supplied with three 6” (152mm) long Teflon® tubes that direct wash fluid right up to the bottom of an inverted 10mm diameter NMR tube.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-100</td>
<td>Cell Vakuwash</td>
<td>$66.95</td>
</tr>
<tr>
<td>11-101</td>
<td>Tube Vakuwash</td>
<td>$69.95</td>
</tr>
</tbody>
</table>

COLONY COUNTER

Lightweight pen-style Colony Counter offers convenience and accuracy in counting. In a single motion it marks, counts and confirms with an electronic beep. A four-digit LCD display shows cumulative count. A selector switch allows for counting up or down, to correct errors or to check the count by counting backwards.

- The long-life felt-tip marker (1 red and 1 black provided) works on plastic or glass, and is oil- and water-resistant. Ethyl alcohol removes it.
- Size: 6” x ½” x ½” d
- Weight: 1.2 oz.
- Power: 3V battery

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-105</td>
<td>Colony Counter</td>
<td>$189.95</td>
</tr>
<tr>
<td>11-106</td>
<td>Replacement Tip Black</td>
<td>7.29</td>
</tr>
<tr>
<td>11-107</td>
<td>Replacement Tip Green</td>
<td>7.29</td>
</tr>
<tr>
<td>11-108</td>
<td>Replacement Tip Red</td>
<td>7.29</td>
</tr>
<tr>
<td>11-109</td>
<td>Replacement Battery</td>
<td>6.40</td>
</tr>
</tbody>
</table>

PURCHASE THE COMPLETE SYSTEM, OR JUST THE COMPONENTS YOU NEED

The Colony Counting System is the best way to eliminate tired eyes, frayed nerves and inaccurate counts at half the price of a standard Quebec Counter. Consisting of a compact, portable (battery or AC powered) Mini Light Box with uniform non-glare fluorescent lighting, a free standing Magnifier, a pen style Counter with 4 digit LCD readout, removable Counting Grid and an AC Adapter for stationary use, the Colony Counting System is a sanity saver for anyone burdened with an endless repetitive counting task.

The Colony Counter Pen, designed for single-handed comfort, is only 6” long and weighs less than 1 oz. Each time it is touched to a surface it marks, gives a beep and registers a cumulative count on the 4 digit LCD readout. A switch selects up or down counting modes for counts and count checks. The pen is supplied with a 3V battery and two long-life replaceable felt tip pens. The red, green and black ink is water and oil resistant but can be removed with ethyl alcohol.

The Mini Light Box is light weight and operates on 4 C batteries (not included) making it completely portable, as well as compact (61/4” W x 53/8” D x 13/4” H) enough to set up on a crowded bench and store in a drawer when not in use. AC Adapter saves batteries during stationary use. It provides uniform non-glare fluorescent lighting for easy viewing on the 4” x 5” viewing area which facilitates quicker, safer and easier viewing in a number of applications. Check plates or dishes for growth or color reaction without tilting samples, quick screen electrophoresis gels, slides or transparencies. The Mini Magnifier provides 1.7 X Magnification and may be used as a stand alone for small type, photos or any work needing magnification.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-115</td>
<td>Colony Counting System Complete</td>
<td>$345.05</td>
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<tr>
<td>11-116</td>
<td>Colony Counter only</td>
<td>108.05</td>
</tr>
<tr>
<td>11-117</td>
<td>Mini Light Box only</td>
<td>91.70</td>
</tr>
<tr>
<td>11-118</td>
<td>Mini Magnifier only</td>
<td>85.50</td>
</tr>
<tr>
<td>11-119</td>
<td>Replacement Counting Grids</td>
<td>10.30</td>
</tr>
<tr>
<td>11-120</td>
<td>Replacement Pen Tip-Black</td>
<td>ea. $7.29</td>
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<tr>
<td>11-121</td>
<td>Replacement Pen Tip-Green</td>
<td>ea. 7.29</td>
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<tr>
<td>11-122</td>
<td>Replacement Pen Tip-Red</td>
<td>ea. 7.29</td>
</tr>
<tr>
<td>11-123</td>
<td>Replacement 3V Battery</td>
<td>ea. 6.40</td>
</tr>
<tr>
<td>11-124</td>
<td>AC Adapter</td>
<td>ea. 18.60</td>
</tr>
</tbody>
</table>
**STAK-A-TRAY PETRI DISH AND CULTURE FLASK STORAGE SYSTEM**

Stak-A-Tray™ stores large numbers of petri dishes and culture flasks in small spaces easily and efficiently. This space-saving rack and tray storage system expands storage space on lab benches, in hoods and in popular size incubators, cold rooms and refrigerators. Autoclavable stainless steel trays have perforations throughout for complete environmental exposure. Trays make great organizers even without racks when space is shared.

Each 14” x 14”/2” rack accepts up to four levels of trays and up to five racks can be safely stacked for a total of up to 20 levels. Two sizes of trays provide maximum flexibility. Full sized 14” x 14” trays hold up to 12 petri dishes. Half sized 7” x 7” trays hold up to 6 dishes.

Two rack styles add additional flexibility. One is exclusively for petri dishes with four center supports and 1” clearance between trays. The second with only two center supports is designed with 2” clearance between trays to accommodate T-flasks.

**BEL-BLOTTER™ 96-WELL REPLICATING TOOL**

The Bel-Blotter™ is a 96-Well Replicating Tool designed to do the tedious tasks with little effort and increased productivity. The 96 “open ended” pipette tips in this unique molded product fits all types of plates ranging from flat, vee or round bottom plates to 0.2ml thin walled PCR plates and tubes. By simply placing the Bel-Blotter™ 96-Well Replicating Tool into any 96-well plate, the tips will pick up fluid up to 10ul per tip. The filled Bel-Blotter™ 96-Well Replicating Tool is then placed onto the receiving medium, whether it be the wells of plates, hybridization membranes or agar. The device is easy to use and is reusable. Molded of polypropylene, it can be autoclaved.

The resulting products of the Bel-Blotter™ 96-Well Replicating Tool can be used for replication of recombinant DNA libraries, inoculation of filters for colony hybridization, phage typing and other applications.

**STERILE CLONING DISCS**

- Reduces Time and Effort When Isolating a Large Number of Clones
- Minimizes the Chance for Contamination
- RNase and DNase Free

Sterile paper discs transfer cells quickly and easily to a 24 well plate for growth. Discs eliminate leak problems associated with cloning cylinders. Risk of contamination and drying out is reduced because cells are exposed only a fraction of the time it would take to apply a cloning cylinder.

**AN IMPROVED AUTOCLAVING WRAP AND CHEMICAL BARRIER OF POLYESTER-BACKED FOIL**

Super Polyfoil is used for autoclaving, incubating and for storing cell culture solutions, chemical solutions and lab implements. The polyester resists tears, blocks any possible pinholes that may develop in the aluminum foil, resists organic solvents and caustic agents. It provides sterility protection and a chemically inert barrier. The polyfoil complies with the FDA regulations governing direct food contact. Super Polyfoil consists of a blue thermostoplastic polyester layer laminated to 1 mil aluminum foil. It is easily folded over objects containing openings, unlike aluminum foil may be flattened without kinking and is easier to remove following autoclaving than plain aluminum foil which is subject to oxidation.

**A SIMPLE, AFFORDABLE & ACCURATE METHOD OF COLONY REPLICATION**

The Scienceware® Replica-Plating Tool makes microbial colony replicas accurately and inexpensively. The Tool is simple to use. Just invert the petri dish carrying microbial colonies, lower it onto the sterile velveteen cloth surface and push it. Then invert a fresh sterile nutrient plate and lower it onto the velveteen. When the fresh plate is lifted it will contain a replica of the original colony.

The Replica-Plating Tool consists of an aluminum ring 4” (102mm) in diameter, a PVC cylinder 2.15” (55mm) high, and a pack of 12 sterile Velveteen Squares 6” x 6”. The Squares are pure, clean, sterile, 100% cotton, absorbent twill-backed with no dyes or impurities present and are packed in a sealed bag.
ULTRA M® MICRO COMBINATION ELECTRODE
MEASURES PH IN THE SMALLEST SAMPLES
AND NON-GLASS CONSTRUCTION RESISTS PROTEIN BINDING

The Micro Probe measures pH in samples as small as 10 microliters (about 1/10 the size of an average drop) making it ideal for biological assays of microsamples. Non-glass sensor construction is resistant to degradation due to protein binding, and stem is flexible enough to be inserted into curved glass vessels. The electrode body is guaranteed unbreakable for the life of the probe. The totally non-glass electrode features solid state sensor and Teflon® capillary tube which offers a much lower output resistance than glass probes of the same size giving a rapid response time, a high signal to noise ratio and a much more stable pH reading.

The pH sensor tip diameter is only 1 mm, and a combined diameter of 1.7 mm, including the reference element, allows for a low immersion depth which is especially suited for biological assays in containers such as microtiter plates, culture tubes, cuvettes, micro test tubes, serum cups and NMR tubes. The flat pH sensor tip is also applicable for surface measurements on filter paper and electrophoretic agar gels. The probe has a broad pH range of 1 to 12. The probe is compatible with all major brand pH meters including Orion®, Beckman®, Corning®, Fisher® and Radiometer®. Please specify the brand and model pH meter you are using when ordering.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-155</td>
<td>Micro Combination pH Probe (U.S. Std. Conn.)</td>
<td>$405.00</td>
</tr>
<tr>
<td>11-156</td>
<td>Micro Combination pH Probe (BNC Conn.)</td>
<td>$405.00</td>
</tr>
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</table>

STERILE CULTURE TUBES

- Reliability: Sterile culture tubes come in individual peel-apart sterile wraps or sterile tray packs.
- Irradiated: Tested in accordance with AAMI Guidelines: lot-to-lot, traceability of every product.
- Choice of Materials: Polystyrene provides best optical clarity. Polypropylene provides chemical resistance. Both materials are biologically inert and chemical free.
- Range of sizes from 10 x 75mm to 17 x 100mm.

**Polystyrene Sterile Culture Tubes**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Nominal Size (mm)</th>
<th>Cap</th>
<th>Nominal Capacity (mL)</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-160</td>
<td>10 x 75</td>
<td>Press Snap Cap</td>
<td>3.5</td>
<td>8 Trays of 125</td>
<td>$76.00</td>
</tr>
<tr>
<td>11-161</td>
<td>12 x 75</td>
<td>Press Snap Cap</td>
<td>5.4</td>
<td>500 Individually Wrapped</td>
<td>$65.00</td>
</tr>
<tr>
<td>11-162</td>
<td>12 x 75</td>
<td>Press Snap Cap</td>
<td>5.4</td>
<td>8 Trays of 125</td>
<td>$67.00</td>
</tr>
<tr>
<td>11-163</td>
<td>12 x 75</td>
<td>Press Snap Cap</td>
<td>5.4</td>
<td>8 Trays of 125</td>
<td>$105.00</td>
</tr>
<tr>
<td>11-164</td>
<td>13 x 100</td>
<td>Press Snap Cap</td>
<td>8.8</td>
<td>8 Trays of 125</td>
<td>$156.50</td>
</tr>
<tr>
<td>11-165</td>
<td>16 x 125</td>
<td>Screw Cap</td>
<td>18.0</td>
<td>500 Individually Wrapped</td>
<td>$123.00</td>
</tr>
<tr>
<td>11-166</td>
<td>16 x 125</td>
<td>Screw Cap</td>
<td>18.0</td>
<td>8 Trays of 125</td>
<td>$196.00</td>
</tr>
<tr>
<td>11-167</td>
<td>16 x 150</td>
<td>Screw Cap</td>
<td>20.3</td>
<td>500 Individually Wrapped</td>
<td>$117.50</td>
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<tr>
<td>11-168</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.9</td>
<td>500 Individually Wrapped</td>
<td>$69.50</td>
</tr>
<tr>
<td>11-169</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.9</td>
<td>20 Trays of 125</td>
<td>$65.00</td>
</tr>
<tr>
<td>11-170</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.9</td>
<td>8 Trays of 125</td>
<td>$70.00</td>
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<tr>
<td>11-171</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.9</td>
<td>8 Trays of 125</td>
<td>$118.00</td>
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</table>

**Polypropylene Sterile Culture Tubes**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Nominal Size (mm)</th>
<th>Cap</th>
<th>Nominal Capacity (mL)</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-175</td>
<td>12 x 75</td>
<td>Press Snap Cap</td>
<td>5.5</td>
<td>500 Individually Wrapped</td>
<td>$79.00</td>
</tr>
<tr>
<td>11-176</td>
<td>12 x 75</td>
<td>Press Snap Cap</td>
<td>5.5</td>
<td>8 Trays of 125</td>
<td>$95.00</td>
</tr>
<tr>
<td>11-177</td>
<td>12 x 75</td>
<td>Press Snap Cap</td>
<td>5.5</td>
<td>20 Trays of 25</td>
<td>$73.00</td>
</tr>
<tr>
<td>11-178</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.4</td>
<td>20 Trays of 25</td>
<td>$96.00</td>
</tr>
<tr>
<td>11-179</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.4</td>
<td>500 Individually Wrapped</td>
<td>$90.00</td>
</tr>
<tr>
<td>11-180</td>
<td>17 x 100</td>
<td>Press Snap Cap</td>
<td>14.4</td>
<td>8 Trays of 125</td>
<td>$82.50</td>
</tr>
</tbody>
</table>
These sterile culture tubes come with 2-position caps for aerobic or anaerobic closing, and are precision-molded from premium grade polystyrene or polypropylene.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Volume</th>
<th>Material</th>
<th>Inner Pack</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-185</td>
<td>12 x 75</td>
<td>5 ml</td>
<td>PS</td>
<td>125</td>
<td>1000</td>
<td>$82.00</td>
</tr>
<tr>
<td>11-186</td>
<td>12 x 75</td>
<td>5 ml</td>
<td>PP</td>
<td>25</td>
<td>500</td>
<td>41.00</td>
</tr>
<tr>
<td>11-187</td>
<td>12 x 75</td>
<td>5 ml</td>
<td>PS</td>
<td>125</td>
<td>1000</td>
<td>82.00</td>
</tr>
<tr>
<td>11-188</td>
<td>12 x 75</td>
<td>5 ml</td>
<td>PP</td>
<td>25</td>
<td>500</td>
<td>41.00</td>
</tr>
<tr>
<td>11-189</td>
<td>17 x 100</td>
<td>16 ml</td>
<td>PS</td>
<td>25</td>
<td>500</td>
<td>55.00</td>
</tr>
<tr>
<td>11-190</td>
<td>17 x 100</td>
<td>16 ml</td>
<td>PP</td>
<td>25</td>
<td>500</td>
<td>55.00</td>
</tr>
</tbody>
</table>

Valmark petri dishes are designed for easy one hand opening and closing edges of tops and bottoms are squared off (not round) to provide a firm sure grip. The flare and length of the lid skirt allows the lid to be removed and replaced easily and quickly.

**USER FRIENDLY DESIGN**

**OPTICAL CLARITY**

Obstruction and distortion free viewing is provided by the extreme flatness of the lid and the absence of cracks or stress marks. Injection ports on the sides of the dishes prevent blemishes and distortion caused by injection ports being on top and bottom surfaces of dishes. Injection molded from virgin biomedical grade polystyrene crystal.

- **100% STERILITY GUARANTEED**
- **OPTICALLY CLEAR**
- **CONSISTENTLY FLAT BOTTOMS**
- **USER FRIENDLY DESIGN**

**100% STERILITY GUARANTEED** with our environmentally friendly method of E.T.O. sterilization. A private microbiology laboratory uses USP methods to test every lot of dishes. A certificate of sterility for each lot number is on file and a copy is available on request.

**CONSISTENTLY FLAT BOTTOMS**

The flatter the dish bottom the less media is used for adequate coverage in center of the dish. This is particularly important with a media pouring machine which is set for the worst condition. Valmark dishes are never more than 0.005” off flat from edge to center.

**NO CONDENSATE ON MEDIA**

Three venting ribs, on the underside of the lid, prevent condensation build up.

**STERILITY AND BREAKAGE PROTECTION**

Extra heavy polyethylene sleeves keep Valmark dishes sterile during transit storage and handling. Dishes are further protected by a 175lb test outer carton with an “egg crate” divider with a compartment for each sleeve.

100 x 15 mm Dishes available in two, three, or four compartment configurations. Use for growth of specimens on multiple media or for differential studies of organisms or media in a common Pouring Machine.

### Catalog Number Description Price
11-200 I-DISH (2 compartment) Vertical | Vertical | $46.42
11-201 I-DISH (2 compartment) Bevelled | Bevelled | 46.42
11-202 Y-DISH (3 compartment) Vertical | Vertical | 46.42
11-203 X-DISH (4 compartment) Vertical | Vertical | 46.42

96 Well Plates are individually packed in zip-lock bags to ensure scratch-free delivery. Both plates and lids come in cases of 100.

### Catalog Number Description Price
11-195 96 Well Micro Plates cs/100 $50.00
11-196 Interlocking Lids cs/100 35.00

96 WELL MICRO PLATES

These Microplates, made from clear polystyrene, offer 96 optically flat and uniform wells with alpha-numeric indexing for easy sample identification. They fit all standard optical readers. Special interlocking lids are available which effectively prevent any sample contamination.

96 Well Plates are individually packed in zip-lock bags to ensure scratch-free delivery. Both plates and lids come in cases of 100.

### Catalog Number Description Price
11-195 96 Well Micro Plates cs/100 $50.00
11-196 Interlocking Lids cs/100 35.00

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### Catalog Number Description Price
11-195 96 Well Micro Plates cs/100 $50.00
11-196 Interlocking Lids cs/100 35.00

These Microplates, made from clear polystyrene, offer 96 optically flat and uniform wells with alpha-numeric indexing for easy sample identification. They fit all standard optical readers. Special interlocking lids are available which effectively prevent any sample contamination. 96 Well Plates are individually packed in zip-lock bags to ensure scratch-free delivery. Both plates and lids come in cases of 100.

### Catalog Number Description Price
11-195 96 Well Micro Plates cs/100 $50.00
11-196 Interlocking Lids cs/100 35.00
**PETRI DISHES**

**TPX® POLYMETHYLPIENTENE**

Clear, reusable, autoclavable TPX® petri dishes are 12 mm deep x 83 mm I.D. Loose-fitting covers are 92 mm O.D. and have a frosted area for writing. Compartmented dishes have 3 equal segments with 6 mm high partitions. Dishes and covers are sold 12 pieces per pack.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>11-220</td>
<td>Plain dishes with covers</td>
<td>$18.00</td>
</tr>
<tr>
<td>11-221</td>
<td>Compartmented dishes with covers</td>
<td>19.50</td>
</tr>
</tbody>
</table>

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**DYNA BLOCK™ 1000 DEEP WELL MICROPLATES**

Multi-purpose Microplates

The Labnet DyNa Block 1000 has been designed to meet the demands of high-throughput, high volume laboratories for bulk processing and storage of samples.

- **Large Capacity**
  The DyNa Block 1000 has a capacity of 1.0ml capped or 1.2ml uncapped in each of its round bottom wells. The plates feature alphanumerically labelled wells for easy sample identification.

- **Polypropylene or Polystyrene**
  For applications requiring extreme temperatures, from -70°C to 90°C, or high chemical resistance, the DyNa Block 1000 is available in virgin polypropylene. They are also available in transparent polystyrene for cell adhesion applications. Both the polypropylene and polystyrene plates are supplied in sterile or nonsterile packaging.

- **Compatible with Multiple Sample Processing Equipment**
  The standard 8 by 12, 96 well format of the DyNa Block 1000 is compatible with a variety of robotic sample processors including the Beckman Biomek, Tecan Genesis and Tomtec Quadra. Most cell harvesters and many automated liquid handling stations, such as Gilson’s 215 and Hamilton’s Microlab, will also accept these microplates. The DyNa Block 1000 can be used with all multichannel pipettes, and is accommodated by many centrifuge microplate rotors including Beckman and Hermle.

- **Ideal for Storage**
  A mat of 96 caps is available for sealing the wells of the DyNa Block 1000. The polypropylene plates can withstand temperatures as low as -70°C for freezer storage of biological samples, including blood. The DyNa Block 1000 microplate are stackable, conserving valuable bench and freezer space.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Pkg.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-225</td>
<td>DyNa Block 1000, 96x1.0ml, polypropylene, nonsterile</td>
<td>25</td>
<td>$84.00</td>
</tr>
<tr>
<td>11-226</td>
<td>DyNa Block 1000, 96x1.0ml, polypropylene, sterile</td>
<td>25</td>
<td>$92.00</td>
</tr>
<tr>
<td>11-227</td>
<td>DyNa Block 1000, 96x1.0ml, polystyrene, nonsterile</td>
<td>25</td>
<td>$84.00</td>
</tr>
<tr>
<td>11-228</td>
<td>DyNa Block 1000, 96x1.0ml, polystyrene, sterile</td>
<td>25</td>
<td>$92.00</td>
</tr>
<tr>
<td>11-229</td>
<td>Mat of 96 caps, nonsterile</td>
<td>30</td>
<td>$4.00</td>
</tr>
<tr>
<td>11-230</td>
<td>Mat of 96 caps, sterile</td>
<td>30</td>
<td>$4.00</td>
</tr>
</tbody>
</table>

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**EASI-GRID™**

**FOR PRECISE MASTER PLATE PREPARATION**

The new EASI-GRID™ is a simple, versatile, gridding unit for molecular biology, genetics and microbiology applications.

The essential tool for efficient master plate making, the EASI-GRID™ from Jencons comprises a lightweight and durable case containing nine of the most popular templates for molecular biology, genetics and microbiology applications, plus a blank sheet for your own customized grid pattern. This unique product has been designed to hold any make of 90mm diameter petri dish firmly in its place above your chosen grid thus ensuring correct alignment of subsequent clones made from the master plate.

EASI-GRID™ is ideal for use in experiments involving phenotype / genotype screening such as:
- colony/plaque hybridization
- drugs resistance / sensitivity testing
- yeast tetrad analysis
- enzyme analysis
- temperature / sensitivity testing

In fact, whenever you need to produce ordered arrays of colonies for further analysis use EASI-GRID™ for simple, organized and hygienic plate making.

All grids are printed onto clear acrylic sheets, which means that EASI-GRID™ can also be used on a light box. The grids supplied are 25, 50, 70, 100, 150 and 200 squares, 6 and 12 quadrants as well as a black 100 square grid. The grids are ring bound so they cannot be separated and lost. The pre-printed grids are used and stored in the EASI-GRID™ case. EASI-GRID™ is available in a choice of casing in either a spirited red, dapper blue, sunshine yellow, or jet black and is supplied complete with grid booklet and locking band.

Stylish yet practical, EASI-GRID™ has been designed to be easily decontaminated using commonly used anti-bacterial agents and has neat, non-slip feet attached to the base of the case to prevent movement and scratching of the unit during use.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>11-210</td>
<td>EASI-GRID (Black)</td>
<td>$45.00</td>
</tr>
<tr>
<td>11-211</td>
<td>EASI-GRID (Blue)</td>
<td>45.00</td>
</tr>
<tr>
<td>11-212</td>
<td>EASI-GRID (Red)</td>
<td>45.00</td>
</tr>
<tr>
<td>11-213</td>
<td>EASI-GRID (Yellow)</td>
<td>45.00</td>
</tr>
<tr>
<td>11-214</td>
<td>EASI-GRID Stand</td>
<td>9.00</td>
</tr>
<tr>
<td>11-214</td>
<td>(for up to 4 EASI-GRIDS)</td>
<td>9.00</td>
</tr>
<tr>
<td>11-215</td>
<td>Spare EASI-GRID</td>
<td>11.00</td>
</tr>
<tr>
<td>11-216</td>
<td>Grid Booklet</td>
<td>1.00</td>
</tr>
<tr>
<td>11-217</td>
<td>Spare EASI-GRID locking band</td>
<td>1.00</td>
</tr>
</tbody>
</table>
PETRI DISHES

Petri dishes are manufactured under strict aseptic conditions within a Class J clean room which complies with BS 5295. Petri dishes remain under clean room conditions throughout the manufacturing process. 100mm Petri dishes conform to BS 611 Part II, which involves stringent control of rigidity, thermal resistance, stackability and dimensional consistency. The dimensional consistency of these dishes makes them the first choice for use with automatic plate pourers. Sturdy polyethylene sleeves which exceed BS611 Part II are used to pack all Petri dishes. An inner liner compartments the carton and ensures that Petri dishes arrive in perfect condition.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Vents</th>
<th>Base Diam. mm</th>
<th>Overall Height</th>
<th>Number per case</th>
<th>Price per case</th>
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<tbody>
<tr>
<td>11-235</td>
<td>100mm Petri Dish</td>
<td>None</td>
<td>89.25</td>
<td>15.8</td>
<td>500</td>
<td>$63.00</td>
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<tr>
<td>11-236</td>
<td>100mm Petri Dish</td>
<td>Single</td>
<td>89.25</td>
<td>16.2</td>
<td>500</td>
<td>$63.00</td>
</tr>
<tr>
<td>11-237</td>
<td>100mm Petri Dish</td>
<td>Triple</td>
<td>89.25</td>
<td>16.0</td>
<td>500</td>
<td>$63.00</td>
</tr>
<tr>
<td>11-238</td>
<td>100mm Petri Dish, Amber</td>
<td>Triple</td>
<td>89.25</td>
<td>16.2</td>
<td>500</td>
<td>$65.80</td>
</tr>
<tr>
<td>11-239</td>
<td>100mm Petri Dish, Blue</td>
<td>Triple</td>
<td>89.25</td>
<td>16.2</td>
<td>500</td>
<td>$65.80</td>
</tr>
<tr>
<td>11-240</td>
<td>100mm Petri Dish, Red</td>
<td>Triple</td>
<td>89.25</td>
<td>16.2</td>
<td>500</td>
<td>$65.80</td>
</tr>
</tbody>
</table>

MICROTITRATION PLATES

Alpha-numeric identification alongside each of the 96 wells, make microscopic sample location simple. Uniform wall thickness ensures good optical observation and a hanging well design allows an even temperature to be achieved around each well. Cross contamination is minimized by each well having a rim, and when lids are used, orientation corners and condensation rings further guarantee security. A rim around the periphery of the plate also assists when the plate requires sealing with film. Deep lids reduce the common problem of uneven evaporation from the well.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Total Well Vol. ml</th>
<th>Material</th>
<th>Sterility*</th>
<th>Length x Breadth</th>
<th>Number per case</th>
<th>Price per case</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-245</td>
<td>Rigid 96 Well Plate, U bottom</td>
<td>0.415</td>
<td>PS</td>
<td>NS</td>
<td>127 x 86</td>
<td>50</td>
<td>$33.00</td>
</tr>
<tr>
<td>11-246</td>
<td>Rigid 96 Well Plate, U bottom, sterile</td>
<td>0.415</td>
<td>PS</td>
<td>lr</td>
<td>127 x 86</td>
<td>50</td>
<td>48.50</td>
</tr>
<tr>
<td>11-247</td>
<td>Rigid 96 Well Plate, V bottom</td>
<td>0.334</td>
<td>PS</td>
<td>NS</td>
<td>127 x 86</td>
<td>50</td>
<td>29.30</td>
</tr>
<tr>
<td>11-248</td>
<td>Rigid 96 Well Plate, V bottom, sterile</td>
<td>0.334</td>
<td>PS</td>
<td>lr</td>
<td>127 x 86</td>
<td>50</td>
<td>41.50</td>
</tr>
<tr>
<td>11-249</td>
<td>Rigid 96 Well Plate, Flat bottom</td>
<td>0.406</td>
<td>PS</td>
<td>NS</td>
<td>127 x 86</td>
<td>50</td>
<td>31.40</td>
</tr>
<tr>
<td>11-250</td>
<td>Rigid 96 Well Plate, Flat bottom</td>
<td>0.406</td>
<td>PS</td>
<td>lr</td>
<td>127 x 86</td>
<td>50</td>
<td>44.00</td>
</tr>
<tr>
<td>11-251</td>
<td>Microtitration Plate lid, w/condensation rings</td>
<td>-</td>
<td>PS</td>
<td>S</td>
<td>-</td>
<td>50</td>
<td>37.90</td>
</tr>
</tbody>
</table>

Colored Microtitration Plates

The black plate is designed for use in fluorescence studies with minimal well to well cross talk. The white plate is designed for use in luminescence assays where the white pigment in addition to minimizing cross talk increases reflectivity for greater sensitivity.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Total Well Vol. ml</th>
<th>Material</th>
<th>Sterility*</th>
<th>Length x Breadth</th>
<th>Number per case</th>
<th>Price per case</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-255</td>
<td>White 96 Well Plate, flat bottom</td>
<td>0.415</td>
<td>PS</td>
<td>NS</td>
<td>127 x 86</td>
<td>50</td>
<td>$82.91</td>
</tr>
<tr>
<td>11-256</td>
<td>Black 96 Well Plate, flat bottom</td>
<td>0.415</td>
<td>PS</td>
<td>NS</td>
<td>127 x 86</td>
<td>50</td>
<td>82.91</td>
</tr>
</tbody>
</table>
MICROPLATE ADHESIVE FILM

- Reduces sample to sample well contaminations
- Perforated end tabs allow easier, more accurate positioning of the film over plates.
- Bio-inert polypropylene or polyester based film and acryloelain adhesive provide compatibility with virtually all microwell plate assays.
- Super-thin, 1.0mil thickness can be easily pierced with a pipet tip or probe.
- Thermal resistant 2.0 mil polypropylene, for processes requiring extreme temperatures (-40 ° C to 125 ° C, or -40 ° F to 257 ° F) such as Thermal Cycling.

Catalog Number Description Qty Price
11-270 2.0 mil, Polyester, Non-Sterile 100 $35.00
11-271 2.0 mil, Polyester, Sterile 100 45.00
11-272 1.0 mil, Polyester, Non-Sterile 100 37.75
11-273 1.0 mil, Polyester, Sterile 100 48.00
11-274 2.0 mil, Polypropylene, Non-Sterile 100 44.00
11-275 2.0 mil, Polypropylene, Sterile 100 55.00

MICROPLATE ADHESIVE FILM PROTECTS SAMPLES!

The Microplate Adhesive Film is designed for the sealing of microplates to protect samples from spillage and contamination. It has perforated end tabs, thus allowing easy, accurate positioning of the film over the plates for secure seals. Both the polyester film and the adhesive are inert, making the product compatible with virtually all procedures performed in microplates. The acrylic base of the adhesive will resist most petroleum solvents and the film can be used between 30 and 100° C. Comes in a box of 100 sheets.

Catalog Number Description Pkg. Price
11-280 Microplate Adhesive Film bx/100 $41.00

FINALLY! A 384 WELL MICROPLATE! MAXIMIZE STORAGE CAPACITY - MINIMIZE STORAGE SPACE

384 Well Microplates with a 70 ml capacity can be used for virtually any application as standard plate, with a 4x increase in storage capacity and significant reduction in handling and manipulation of plates for large numbers of samples. 384 Well Microplates are adequately rigid for use with robotic handling.

384 Well Microplates feature alpha-numeric border labels and are available in the following materials:
- Polystyrene: outstanding optical clarity, designed for use in cellular and immunologic assays, storage at refrigerated temperatures as low as -20° C.
- Polycarbonate: outstanding optical clarity, designed for heating or storage at refrigeration extremes to -90° C.
- Polypropylene: designed for heating or storage at refrigeration extremes to -90° C. 384 Well Microplates are packaged in convenient dispenser boxes of 25 plates each. Polystyrene lids are available separately.

Catalog Number Description Pkg. Price
11-285 Polystyrene 384 Well Microplates pk/25 $137.00
11-286 Polycarbonate 384 Well Microplates pk/25 137.00
11-287 Polypropylene 384 Well Microplates pk/25 137.00
11-288 Polystyrene Lids - for 384 Well Microplates pk/25 64.75
**MICROPLATE TILTING STAND**

A microplate tilted and viewed at an angle allows you to judge which wells have received liquid addition by comparing the menisci between neighboring wells. Adjustable angle settings can greatly reduce errors in non-manifold additions of liquids of expensive, hazardous or radioactive materials to a multwell microplate. The clear acrylic platform beneath the microplate provides the best condition for observing the meniscus of a liquid within the well. An epoxy-coated steel base assures stability, and the hand adjustable clamping screws maintain the desired angle. The stand holds all sizes of microplates up to 96 hole size. Dimensions are 45/8" x 61/2" x 21/7" high (114 x 165 x 57mm).

**Catalog**
**Number** 11-290 **Description** Microplate Tilting Stand **Price** ea $37.95

---

**PIPETTE ALL 96 MICROPLATE WELLS IN LESS THAN 10 SECONDS**

The Vaccu-Pette96™ pipetting device will pipet all the wells in any standard 96 well plate simultaneously. It can harvest from 25 to 300 ml from 96 well plates in under 10 seconds with complete sterility. Use it to remove spent medium from cultures in preparation for feeding. It is economical and efficient for repetitive applications. Attach the vacuum outlet to any 35 ml disposable sterile syringe (not included) and it is ready to use. It comes with a length of 1/8" tubing for syringe connection. Vaccu-pette/96 is available in two models: Disposable Vaccu-Pette/96 cannot be autoclaved or sterilized and is supplied sterile in a sealed pack with the tubing enclosed. Reusable Vaccu-Pette/96 is polycarbonate and should be autoclaved prior to use to avoid contamination. Both measure 5" x 33/8" x 17/16".

**Catalog**
**Number** 11-300 **Description** Vaccu-Pette/96, disposable **Price** ea $24.75
**Number** 11-301 **Description** Vaccu-Pette/96, reusable **Price** ea 20.50

---

**HIGH CAPACITY MICROPLATE RACK**

**ELIMINATES STACKING, INCREASES EFFICIENCY**

This 15 position Microplate Rack helps organize your incubator. It facilitates sample growth in microplates by improving temperature maintenance and diffusion of gases around the plates, and provides efficient and quick access to all 15 plates. It eliminates the need to shuffle through stacked plates which takes time, and can cause accidental spillage. The rack fits any incubator with a height of 11.5" or greater, and holds 3 plates on each of 5 tiers, with detents to prevent sliding of individual plates. The Microplate Rack is constructed of durable stainless steel with a folding handle, and measures 53/8" W x 12" L x 111/4" H.

**Catalog**
**Number** 11-305 **Description** Microplate Rack **Price** ea $94.65

---

**HAND HELD MICROPLATE WASHING SYSTEM**

**FAST, ECONOMICAL AND MAINTENANCE FREE**

Our new Microplate Washer is a time-saving, cost-effective way of meeting your microplate washing requirements. The ergonomically designed washer is available in either an 8 or 12 tip configuration which will dispense liquids into and aspirate from an 8 or 12 column or row of a 96 well plate and is ideal for small labs where automatic plate washers are prohibitively expensive. The system has a built-in single head diaphragm vacuum pump which is 100% oil and maintenance free, providing suction and pressure for wash fluid delivery.

The Microplate Washing System has a unique design which allows automatic priming without use of any external vessel. When at rest, the washing head is seated on the washing platen with its dispense and aspirate tubes recessed into the platen. The system ensures continuous flow of washing solution and the waste flask provides a receptacle for potentially contaminated fluid. The System delivers up to 9 ltr/min at a maximum vacuum of 185mb, has automatically selectable voltage, and is supplied complete with a set of tubing.

**Catalog**
**Number** 11-295 **Description** Microplate Washing System, 8 way **Price** ea $2734.00
**Number** 11-296 **Description** Microplate Washing System, 12 way **Price** ea 2793.00

---

**CULTURE TUBES ROUND BOTTOM**

**BOROSILICATE GLASS WITH TEFON LINED CLOSURES**

<table>
<thead>
<tr>
<th>Size Tube</th>
<th>Case</th>
<th>Product</th>
<th>Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>ml Size Finish Pack Number Price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 13 x 100 13/425 144 12-470 $129.60</td>
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<tr>
<td>11 16 x 100 15/425 144 12-411 108.00</td>
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</tr>
<tr>
<td>14 16 x 125 15/425 144 12-422 110.00</td>
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<tr>
<td>18 16 x 150 15/425 144 12-433 112.00</td>
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<tr>
<td>27 20 x 125 18/415 144 12-444 227.00</td>
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<tr>
<td>14 16 x 150 15/425 144 12-483 91.68</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>27 20 x 125 18/415 144 12-484 131.33</td>
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**BOROSILICATE GLASS WITH RUBBER LINED CLOSURES**

<table>
<thead>
<tr>
<th>Size Tube</th>
<th>Case</th>
<th>Product</th>
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<tbody>
<tr>
<td>ml Size Finish Pack Number Price</td>
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</tr>
<tr>
<td>7 13 x 100 13/425 144 12-480 $103.20</td>
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<tr>
<td>11 16 x 100 15/425 144 12-481 91.68</td>
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<td>14 16 x 125 15/425 144 12-482 91.68</td>
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<tr>
<td>18 16 x 150 15/425 144 12-483 91.68</td>
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<td></td>
</tr>
<tr>
<td>27 20 x 125 18/415 144 12-484 131.33</td>
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**BOROSILICATE GLASS WITHOUT CAPS**

<table>
<thead>
<tr>
<th>Size Tube</th>
<th>Case</th>
<th>Product</th>
<th>Case</th>
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</thead>
<tbody>
<tr>
<td>ml Size Finish Pack Number Price</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7 13 x 100 13/425 144 12-490 $51.60</td>
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<tr>
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<tr>
<td>14 16 x 125 15/425 144 12-492 46.75</td>
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<td>18 16 x 150 15/425 144 12-493 47.70</td>
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<tr>
<td>27 20 x 125 18/415 144 12-494 65.68</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TEMP GUARD® INCUBATOR PROTECTION

Undetected temperature changes in the incubator can cause cell loss or ruined experiments. Once activated, Temp Guard warns of a temperature change by sounding a loud, continuous alarm (85 dB at 3') for up to three days, or until it is manually interrupted. Even if the temperature corrects itself and the alarm shuts off, and LED indicator stays lit to indicate that a variance has occurred.

Compact (5½” x 3½” x 1½”), easy to use Temp Guard mounts in seconds with either self-adhesive tape or a screw mounting. Its 10’ probe connection allows the alarm to be mounted away from the incubator. The alarm activation point can be adjusted for any setting between 0° and 75°C with an accuracy of ±1°C and can be set to monitor either upward or downward drift. Temp Guard is powered by one 9V battery (not included), has an additional battery connector for extended maintenance-free operation, and an indicator which beeps when a fresh battery is needed (once a year).

Catalog Number Type ea. Price
28-250 TempGuard ea. $91.67
28-251 9V Battery ea. 3.75

DIGITAL PROBE THERMOMETERS

WATERPROOF MIN/MAX MEMORY DIGITAL PROBE THERMOMETER

DeltaTRAK introduces the first Waterproof Digital Probe Thermometer with minimum and maximum memory capability. It can be used wherever steam or condensation is a problem, or it can be completely submerged into water. The Model 12201 will record the lowest and highest temperature reached from last re-set, between 14°F to 392°F (-10°C to 200°C) and is accurate to within ±1.8°F (1°C). This water thermometer is an ideal food service thermometer to verify holding temperature, and as a quality control instrument for processed foods, commercial fisheries, seafood, meat and poultry processing facilities.

MIN/MAX DUAL SENSOR THERMOMETER

For a spot check or a permanent installation, the Model 12202 Min/Max Dual Sensor Thermometer is an economical and convenient QA tool. Use it to check the performance of freezers, refrigerators, display cases, water tanks, etc., use it in liquids, food and any temperature sensitive products. Its onboard internal sensor shows ambient air temperature, while the fast response stainless steel external sensor attached to a 3-0ft (1 meter) cord shows the temperature to which it is exposed. Min/Max memory will show the highest and lowest temperature after the last reset.

DIGITAL PROBE THERMOMETER

The new DeltaTRAK pocket size Digital Probe Thermometer, Model 11002, is an accurate, water and dirt resistant probe thermometer with a liquid crystal display. The new design incorporates a °C/°F instant conversion button and a fast one second temperature response update. The measurement range is -40°F to 302°F (-40°C to 150°C) with a resolution in 0.1 degree increments, and accuracy of ±1.8°F (±1°C) over the use range. A hold button allows readings taken in hard-to-reach places to be held on the LCD until the button is pressed again.

It is also designed with a 10 minute automatic shut-off feature to preserve battery life. The Digital Probe Thermometer is small enough to be carried in your shirt pocket, and is ideal for quality control inspectors involved in food service and food processing applications. The 3.5 inch (89mm), stainless steel, pointed needle probe is protected by a slide-on-cover.

The DeltaTRAK Lab Thermometer Model 11003 is also available with the same design features except with a round tipped stainless steel probe. The Lab Thermometer is ideal for scientific, veterinary, laboratory use, and as an alarm check thermometer for blood banks.

Catalog Number Model Price
28-255 12201 $28.50
28-256 12202 28.50
28-257 11002 24.38
28-258 11003 28.50

CATALOG NUMBER

Model 28-250 TempGuard
Model 28-251 9V Battery
Model 28-255 12201
Model 28-256 12202
Model 28-257 11002
Model 28-258 11003
TRU-TEMPE N.I.S.T. TRACEABLE, MERCURY-FREE THERMOMETERS FROM -90° TO +130°C

Keep accurate track of temperatures in everything from cryo-freezers to ovens. True-Tempe Thermometers give precise readings in freezers, refrigerators, blood banks, incubators and ovens. Six models cover a temperature range from -90 to +130°C. Each red spirit-filled thermometer is Teflon® coated for added safety, is supplied in an unbreakable, liquid-filled plastic bottle which insulates the thermometer bulb against rapid changes in temperature when the appliance door is open and attaches easily to any wall or door surface. Each True-Tempe Thermometer comes with its own certificate of N.I.S.T. traceability and is accurate to ±10.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Type</th>
<th>Range</th>
<th>Div.</th>
<th>Bottle</th>
<th>Fill</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-100</td>
<td>Cryo-Freezer</td>
<td>-90/20°C</td>
<td>1.0°</td>
<td>145mm</td>
<td>Propylene glycol</td>
<td>$49.00</td>
</tr>
<tr>
<td>28-101</td>
<td>Freezer</td>
<td>-30/0°C</td>
<td>0.5°</td>
<td>125mm</td>
<td>Propylene glycol</td>
<td>$40.40</td>
</tr>
<tr>
<td>28-102</td>
<td>Refrigerator</td>
<td>-5/15°C</td>
<td>0.5°</td>
<td>125mm</td>
<td>Ethylene glycol</td>
<td>$40.40</td>
</tr>
<tr>
<td>28-103</td>
<td>Blood Bank</td>
<td>-5/20°C</td>
<td>0.5°</td>
<td>125mm</td>
<td>Propylene glycol</td>
<td>$40.40</td>
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<tr>
<td>28-104</td>
<td>Incubator</td>
<td>18/50°C</td>
<td>0.5°</td>
<td>135mm</td>
<td>Ethylene glycol</td>
<td>$40.40</td>
</tr>
<tr>
<td>28-105</td>
<td>Oven</td>
<td>24/130°C</td>
<td>1.0°</td>
<td>135mm</td>
<td>Mineral Oil</td>
<td>$40.40</td>
</tr>
</tbody>
</table>

ERTCO TEFLON® COATED SAFETY THERMOMETERS

ACID PROOF • ALKALI PROOF • SHATTER PROOF • LEAK PROOF

These thermometers are completely sealed within a Teflon® jacket making them impervious to the chemical action of acids and other corrosive materials. The coating absorbs shock and will contain all the glass and mercury within the Teflon jacket should the thermometer break. They are available in various temperature ranges in either Celsius or Fahrenheit. They are furnished in yellow-back tubing for greater legibility and are accurate to within NIST tolerances.

Please note: Mercury thermometers are supplied in yellow backing; organic spirit thermometers are supplied in white backing.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Range</th>
<th>Divisions</th>
<th>Length</th>
<th>Immersion</th>
<th>Liquid Filling</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-110</td>
<td>-20 to 110°C</td>
<td>1°C</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-111</td>
<td>-20 to 150°C</td>
<td>1°C</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-112</td>
<td>-10 to 200°C</td>
<td>1°C</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-113</td>
<td>60 to 260°C</td>
<td>1°C</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$36.60</td>
</tr>
<tr>
<td>28-114</td>
<td>0 to 230°F</td>
<td>2°F</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-115</td>
<td>0 to 300°F</td>
<td>2°F</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-116</td>
<td>20 to 400°F</td>
<td>2°F</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-117</td>
<td>140 to 500°F</td>
<td>2°F</td>
<td>300mm</td>
<td>76 mm</td>
<td>Mercury</td>
<td>$36.60</td>
</tr>
<tr>
<td>28-118</td>
<td>-20 to 110°C</td>
<td>1°C</td>
<td>300mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-119</td>
<td>-20 to 150°C</td>
<td>1°C</td>
<td>300mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
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<tr>
<td>28-120</td>
<td>-10 to 200°C</td>
<td>1°C</td>
<td>305mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-121</td>
<td>0 to 230°F</td>
<td>2°F</td>
<td>300mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-122</td>
<td>0 to 300°F</td>
<td>2°F</td>
<td>300mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-123</td>
<td>20 to 400°F</td>
<td>2°F</td>
<td>305mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$28.60</td>
</tr>
<tr>
<td>28-124</td>
<td>-50 to 50°C</td>
<td>1°C</td>
<td>305mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$30.00</td>
</tr>
<tr>
<td>28-125</td>
<td>-100 to 50°C</td>
<td>1°C</td>
<td>305mm</td>
<td>76 mm</td>
<td>Red Spirit</td>
<td>$50.40</td>
</tr>
<tr>
<td>28-126</td>
<td>-50 to 50°C</td>
<td>1°C</td>
<td>305mm</td>
<td>76 mm</td>
<td>Total</td>
<td>$30.60</td>
</tr>
<tr>
<td>28-127</td>
<td>-100 to 50°C</td>
<td>1°C</td>
<td>305mm</td>
<td>76 mm</td>
<td>Total</td>
<td>$51.10</td>
</tr>
</tbody>
</table>

** Auxiliary scale included at the ice point for calibration purposes
† Accurate to within NIST tolerances
Teflon - Reg TM E.I. du Pont de Nemours & Co.
ERTCO SAMA PRECISION LABORATORY THERMOMETERS

- Specifications approved by SAMA with NIST cooperation.
- Specifications approved by ASTM subcommittee E20-05.
- Specifications accepted by American National Standards Institute.
- SAMA thermometers are recognized as a national standard.
- SAMA thermometers meet NIST requirements for accuracy.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>SAMA No.</th>
<th>Range</th>
<th>Divs.</th>
<th>mm</th>
<th>Immersion</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-130</td>
<td>CT10</td>
<td>-35 to 50°C</td>
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<td>Total</td>
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</tr>
<tr>
<td>28-131</td>
<td>CT15</td>
<td>-20 to 110°C</td>
<td>1.0°C</td>
<td>305</td>
<td>Total</td>
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<td>28-132</td>
<td>CT20</td>
<td>-20 to 150°C</td>
<td>1.0°C</td>
<td>305</td>
<td>Total</td>
<td>$21.80</td>
</tr>
<tr>
<td>28-133</td>
<td>-10 to 200°C</td>
<td>1.0°C</td>
<td>305</td>
<td>Total</td>
<td>$21.80</td>
<td></td>
</tr>
<tr>
<td>28-134</td>
<td>CT25</td>
<td>-10 to 260°C</td>
<td>1.0°C</td>
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<td>Total</td>
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</tr>
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<td>28-135</td>
<td>CT30</td>
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<td>Total</td>
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<td>CT35</td>
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<td>Total</td>
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</tr>
<tr>
<td>28-137</td>
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<td>305</td>
<td>Total</td>
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</tr>
<tr>
<td>28-138</td>
<td>FT15</td>
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</tr>
<tr>
<td>28-139</td>
<td>FT20</td>
<td>-20 to 300°F</td>
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</tr>
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<tr>
<td>28-141</td>
<td>FT25</td>
<td>20 to 500°F</td>
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</tr>
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<tr>
<td>28-143</td>
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<td>Total</td>
<td>$21.80</td>
</tr>
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</table>

The above thermometers are furnished in YELLOW BACKED TUBING, except *furnished in Borosilicate Glass, made in White Back only.

PARTIAL IMMERSION THERMOMETERS

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>SAMA No.</th>
<th>Range</th>
<th>Divs.</th>
<th>mm</th>
<th>Immersion</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-150</td>
<td>CP10</td>
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</tr>
<tr>
<td>28-151</td>
<td>CP15</td>
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</tr>
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<td>28-152</td>
<td>CP20</td>
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<td>305</td>
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</tr>
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<td>28-153</td>
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<td>305</td>
<td>76mm</td>
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</tr>
<tr>
<td>28-154</td>
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<td>1°C</td>
<td>405</td>
<td>76mm</td>
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</tr>
<tr>
<td>28-155</td>
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<td>405</td>
<td>76mm</td>
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</tr>
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<td>28-156</td>
<td>CP35</td>
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<td>405</td>
<td>76mm</td>
<td>$49.30</td>
</tr>
<tr>
<td>28-157</td>
<td>FP10</td>
<td>-30 to 120°F</td>
<td>1°F</td>
<td>305</td>
<td>76mm</td>
<td>$21.80</td>
</tr>
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<td>28-158</td>
<td>FP15</td>
<td>-50 to 230°F</td>
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<td>305</td>
<td>76mm</td>
<td>$21.80</td>
</tr>
<tr>
<td>28-159</td>
<td>FP20</td>
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<td>2°F</td>
<td>305</td>
<td>76mm</td>
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</tr>
<tr>
<td>28-160</td>
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<td>76mm</td>
<td>$21.80</td>
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</tr>
<tr>
<td>28-161</td>
<td>FP25</td>
<td>20 to 500°F</td>
<td>2°F</td>
<td>405</td>
<td>76mm</td>
<td>$29.60</td>
</tr>
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<td>28-162</td>
<td>FP30</td>
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<td>405</td>
<td>76mm</td>
<td>$35.20</td>
</tr>
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<td>28-163</td>
<td>FP35</td>
<td>20 to 930°F</td>
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<td>405</td>
<td>76mm</td>
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</tr>
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<td>28-164</td>
<td>CPFP15</td>
<td>-20 to 110°C</td>
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<td>305</td>
<td>76mm</td>
<td>$21.80</td>
</tr>
<tr>
<td>28-165</td>
<td>CPFP25</td>
<td>-10 to 260°C</td>
<td>1°C</td>
<td>405</td>
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<td>$21.80</td>
</tr>
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<td>28-166</td>
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<td>2°C</td>
<td>405</td>
<td>76mm</td>
<td>$38.50</td>
</tr>
</tbody>
</table>

The above thermometers are furnished in YELLOW BACKED TUBING, except *furnished in Borosilicate Glass, made in White Back only.

ERTCO ORGANIC FILLED THERMOMETERS WITH STANDARD TAPER JOINT

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Range</th>
<th>Divisions</th>
<th>Immersion</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-200</td>
<td>-10 to 110°C</td>
<td>1°C</td>
<td>76 mm</td>
<td>$32.70</td>
</tr>
<tr>
<td>28-201</td>
<td>-10 to 150°C</td>
<td>1°C</td>
<td>76 mm</td>
<td>$35.30</td>
</tr>
<tr>
<td>28-202</td>
<td>-10 to 110°C</td>
<td>1°C</td>
<td>100 mm</td>
<td>$36.00</td>
</tr>
<tr>
<td>28-203</td>
<td>-10 to 150°C</td>
<td>1°C</td>
<td>100 mm</td>
<td>$37.20</td>
</tr>
<tr>
<td>28-204</td>
<td>-10 to 110°C</td>
<td>1°C</td>
<td>125 mm</td>
<td>$39.40</td>
</tr>
<tr>
<td>28-205</td>
<td>-10 to 150°C</td>
<td>1°C</td>
<td>125 mm</td>
<td>$40.90</td>
</tr>
<tr>
<td>28-206</td>
<td>-10 to 110°C</td>
<td>1°C</td>
<td>150 mm</td>
<td>$42.00</td>
</tr>
<tr>
<td>28-207</td>
<td>-10 to 150°C</td>
<td>1°C</td>
<td>150 mm</td>
<td>$43.00</td>
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</tbody>
</table>

The above thermometers are similar to the regular standard taper 1/30 ground joint thermometers with the added feature of Teflon coating to protect against shock as well as contamination in the event of accidental breakage. The entire instrument is jacketed with Teflon with the exception of the ground joint. The thermometers are accurate to within NIST tolerances.
**ERTCO PRECISION THERMOMETERS FOR SPECIAL APPLICATIONS.**

Mercury Filled/Yellow Backing. Accurate to within NIST tolerances.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Range</th>
<th>Divisions</th>
<th>Length mm</th>
<th>Immersion mm</th>
<th>Special Features</th>
<th>Applications</th>
<th>Teflon Coated</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>28-210</td>
<td>20 to 100°C</td>
<td>1.0°C</td>
<td>305</td>
<td>76</td>
<td>1, 2</td>
<td>Incubator, Water Bath</td>
<td>No</td>
<td>$39.00</td>
</tr>
<tr>
<td>28-211</td>
<td>20 to 100°C</td>
<td>1.0°C</td>
<td>305</td>
<td>76</td>
<td>1, 2</td>
<td>Incubator, Water Bath</td>
<td>Yes</td>
<td>46.30</td>
</tr>
<tr>
<td>28-212</td>
<td>0 to 80°C</td>
<td>1.0°C</td>
<td>250</td>
<td>100</td>
<td></td>
<td>Incubator, Water Bath</td>
<td>No</td>
<td>28.40</td>
</tr>
<tr>
<td>28-213</td>
<td>0 to 80°C</td>
<td>1.0°C</td>
<td>250</td>
<td>100</td>
<td></td>
<td>Incubator, Water Bath</td>
<td>Yes</td>
<td>35.70</td>
</tr>
<tr>
<td>28-214</td>
<td>0 to 50°C</td>
<td>0.5°C</td>
<td>305</td>
<td>150</td>
<td>1</td>
<td>Incubator, Water Bath</td>
<td>No</td>
<td>27.80</td>
</tr>
<tr>
<td>28-215</td>
<td>0 to 50°C</td>
<td>0.5°C</td>
<td>305</td>
<td>150</td>
<td>1</td>
<td>Incubator, Water Bath</td>
<td>Yes</td>
<td>35.10</td>
</tr>
<tr>
<td>28-216</td>
<td>0 to 70°C</td>
<td>1.0°C</td>
<td>330</td>
<td>150</td>
<td>1</td>
<td>Incubator, Water Bath</td>
<td>No</td>
<td>34.10</td>
</tr>
<tr>
<td>28-217</td>
<td>0 to 70°C</td>
<td>1.0°C</td>
<td>330</td>
<td>150</td>
<td>1</td>
<td>Incubator, Water Bath</td>
<td>Yes</td>
<td>40.80</td>
</tr>
<tr>
<td>28-218</td>
<td>34.5 to 46°C</td>
<td>0.1°C</td>
<td>237</td>
<td>76</td>
<td>2</td>
<td>Coliform Incubator</td>
<td>No</td>
<td>59.30</td>
</tr>
<tr>
<td>28-219</td>
<td>34.5 to 46°C</td>
<td>0.1°C</td>
<td>237</td>
<td>76</td>
<td>2</td>
<td>Coliform Incubator</td>
<td>Yes</td>
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</tr>
<tr>
<td>28-220</td>
<td>25 to 57°C</td>
<td>0.5°C</td>
<td>175</td>
<td>35</td>
<td>2</td>
<td>Block Heater, Water Bath</td>
<td>No</td>
<td>37.80</td>
</tr>
<tr>
<td>28-221</td>
<td>25 to 57°C</td>
<td>0.5°C</td>
<td>175</td>
<td>35</td>
<td>2</td>
<td>Block Heater, Water Bath</td>
<td>Yes</td>
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<td>0 to 100°C</td>
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<td>225</td>
<td>35</td>
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<td>No</td>
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</tr>
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<td>28-223</td>
<td>0 to 100°C</td>
<td>1.0°C</td>
<td>225</td>
<td>35</td>
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<td>Yes</td>
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<td>No</td>
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</tr>
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<td>Yes</td>
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<td>28-226</td>
<td>-5 to 20°C</td>
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<td>2</td>
<td>Blood Bank, Refrigerator</td>
<td>No</td>
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</tr>
<tr>
<td>28-227</td>
<td>-5 to 20°C</td>
<td>1.0°C</td>
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<td>Total</td>
<td>2</td>
<td>Blood Bank, Refrigerator</td>
<td>Yes</td>
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</tr>
<tr>
<td>28-228</td>
<td>25-37-56°C</td>
<td>0.5°C</td>
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<td>76</td>
<td>2</td>
<td>Incubator, Water Bath</td>
<td>No</td>
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</tr>
<tr>
<td>28-229</td>
<td>25-37-56°C</td>
<td>0.5°C</td>
<td>240</td>
<td>76</td>
<td>2</td>
<td>Incubator, Water Bath</td>
<td>Yes</td>
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<td>28-230</td>
<td>80 to 135°C</td>
<td>1.0°C</td>
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<td>Autoclave, Maximum Registering</td>
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<td>28-231</td>
<td>80 to 135°C</td>
<td>1.0°C</td>
<td>200</td>
<td>Total</td>
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<td>Autoclave, Maximum Registering</td>
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<td>405</td>
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<td>Ovens, Oil Baths</td>
<td>No</td>
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<td>1.0°C</td>
<td>455</td>
<td>150</td>
<td>1</td>
<td>Ovens, Oil Baths</td>
<td>No</td>
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<td>28-234</td>
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<td>610</td>
<td>305</td>
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<td>Ovens</td>
<td>No</td>
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</tr>
<tr>
<td>28-235</td>
<td>0 to 200°C</td>
<td>1.0°C</td>
<td>610</td>
<td>305</td>
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<td>Ovens</td>
<td>Yes</td>
<td>54.10</td>
</tr>
<tr>
<td>28-236</td>
<td>0 to 200°C</td>
<td>1.0°C</td>
<td>610</td>
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<td>Ovens</td>
<td>Yes</td>
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<td>28-237</td>
<td>0 to 200°C</td>
<td>1.0°C</td>
<td>280</td>
<td>76</td>
<td>1</td>
<td>Ovens, Oil Baths</td>
<td>No</td>
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</tr>
<tr>
<td>28-238</td>
<td>0 to 200°C</td>
<td>1.0°C</td>
<td>280</td>
<td>76</td>
<td>1</td>
<td>Ovens, Oil Baths</td>
<td>Yes</td>
<td>40.70</td>
</tr>
<tr>
<td>28-239</td>
<td>0 to 200°C</td>
<td>1.0°C</td>
<td>405</td>
<td>125</td>
<td>1</td>
<td>Ovens, Oil Baths</td>
<td>No</td>
<td>36.60</td>
</tr>
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<td>28-240</td>
<td>0 to 200°C</td>
<td>1.0°C</td>
<td>405</td>
<td>125</td>
<td>1</td>
<td>Ovens, Oil Baths</td>
<td>Yes</td>
<td>43.90</td>
</tr>
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<td>28-241</td>
<td>0 to 250°C</td>
<td>1.0°C</td>
<td>455</td>
<td>150</td>
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<td>Ovens</td>
<td>No</td>
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</tr>
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<td>28-242</td>
<td>24 to 130°C</td>
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<td>135</td>
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<td>No</td>
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</tr>
<tr>
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<td>24 to 130°C</td>
<td>2.0°C</td>
<td>135</td>
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<td>Yes</td>
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<td>28-244</td>
<td>35 to 200°C</td>
<td>1.0°C</td>
<td>180</td>
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<td>Vacuum Ovens</td>
<td>No</td>
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<td>28-245</td>
<td>35 to 200°C</td>
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<td>180</td>
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</tr>
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<td>24 to 38°C</td>
<td>0.5°C</td>
<td>300</td>
<td>95</td>
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<td>Enzymology</td>
<td>No</td>
<td>65.10</td>
</tr>
</tbody>
</table>

**SPECIAL FEATURES**

1. Immersion enlargement on thermometer stem.
2. Arrows on scale indicating critical temperature.
SOLID DOOR AND GLASS DOOR GENERAL PURPOSE LABORATORY / PHARMACY REFRIGERATORS AND FREEZERS

Utilizing Environmentally Safe, CFC-free Refrigerants.
Standard Features
- Various Net Capacities - 20 CuFt., 48 CuFt. 70 CuFt.
- Modern, State-of-the-Art Styling
- Performance Rated Refrigeration System Utilizing Environmentally Safe Refrigerants
- Non-CFC Polyurethane Foam Insulation
- Chrome Plated Flow Line Handles
- Cam-Action Lift-Off Hinges
- Self-Closing Doors
- Automatic Interior Lighting
- Magnetic Snap-In Door Gasket
- Cylinder Lock In Each Door
- Automatic Electric Condensate Evaporator
- Adjustable 6” Legs
- Heavy-Duty, Epoxy-Coated Steel Shelves
- External Digital Thermometer
- Duplex Vapor Proof Outlet Per Section (Chromatography Only)
- Two 2” Diameter Access Ports (Chromatography Only)

Optional Features & Accessories
- Casters
- Additional Full Pass Through Doors Shelves On Both Sides
- 7 Day Temperature Chart Recorder Additional Half Shelves
- Audible/Visual Temperature Alarm Additional Duplex
- Chromatography Pole Assembly Chart Recorder Vapor Proof Outlets
- Pole Assembly Models Available
- Half Door Additional Access Temperature Alarm Port(s)
- All Stainless Steel Chromatography Construction

<table>
<thead>
<tr>
<th>Refrigerators</th>
<th>Freezers</th>
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<tbody>
<tr>
<td>Models</td>
<td>CuFt.</td>
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<tr>
<td>S1R</td>
<td>20</td>
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<tr>
<td>S2R</td>
<td>48</td>
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<td>S3R</td>
<td>70</td>
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<tr>
<td>S1F-GD</td>
<td>20</td>
</tr>
<tr>
<td>S2F-GD</td>
<td>48</td>
</tr>
<tr>
<td>S3F-GD</td>
<td>70</td>
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</table>

CHROMATOGRAPHY REFRIGERATORS

Utilizing Environmentally Safe, CFC-free R-134a Refrigerant.

STANDARD FEATURES
- Modern, State-of-the-Art Styling
- Performance Rated Refrigeration System Utilizing Environmentally Safe R134a Refrigerant
- 3” Non-CFC Polyurethane Foam Insulation
- Cam-Action Lift-Off Hinges
- Self-Closing Doors
- Magnetic Snap-In Door Gasket
- Cylinder Lock In Each Door
- Automatic Electric Condensate Evaporator
- Adjustable 6” Legs
- Heavy-Duty, Epoxy-Coated Steel Shelves
- External Digital Thermometer
- Double-Pane, Tempered Hinged Glass Doors
- Fluorescent Interior Lighting
- Duplex Vapor Proof Outlet Per Section
- Two 2” Diameter Access Ports
- Adjustable Temperature Control, Range +2° C to 8° C, Factory Preset at +4° C
- Standard (S/S Front, Aluminum End Panels & Interior)
- Suffix SA (S/S Exterior, Aluminum Interior)
- Suffix SS (S/S Exterior & Interior)

Optional Features & Accessories
- Casters
- Additional Full Pass Through Doors Shelves On Both Sides
- 7 Day Temperature Chart Recorder Additional Half Shelves
- Audible/Visual Temperature Alarm Additional Duplex
- Chromatography Pole Assembly Chart Recorder Vapor Proof Outlets
- Pole Assembly Models Available
- Half Door Additional Access Temperature Alarm Port(s)
- All Stainless Steel Chromatography Construction

SPECIFICATIONS

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<th>Dimensional Data</th>
<th>Mdl. No. CH1R-GD</th>
<th>Mdl. No. CH2R-GD</th>
<th>Mdl. No. CH3R-GD</th>
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<tr>
<td>H.P.</td>
<td>1/3</td>
<td>1/2</td>
<td>3/4</td>
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<td>Ex. Di.</td>
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<td>24 x 351/2 x 631/4</td>
<td>28 x 351/2 x 663/4</td>
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<td>Hf. Shlv.</td>
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<td>2</td>
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<td>Vtg.</td>
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<td>115-60-1</td>
<td>115-208-20-60-1</td>
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<table>
<thead>
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<th>Refrigerators Hinged Glass Door Models</th>
<th>Freezers Hinged Glass Door Models</th>
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<tbody>
<tr>
<td>Models</td>
<td>CuFt.</td>
</tr>
<tr>
<td>S1R-GD</td>
<td>20</td>
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<td>S2R-GD</td>
<td>48</td>
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<td>S3R-GD</td>
<td>70</td>
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<tr>
<td>S1F-GD</td>
<td>20</td>
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<tr>
<td>S2F-GD</td>
<td>48</td>
</tr>
<tr>
<td>S3F-GD</td>
<td>70</td>
</tr>
</tbody>
</table>
**FREEZ GUARD**

**CAN SAVE YOU MORE THAN TIME AND MONEY!**

Freez Guard alerts you to freezer or cooler temperature fluctuations. Economical and convenient it has a monitoring range of -5° to 55°F making it ideal for use with freezers or coolers containing temperature-sensitive materials. When temperature drifts beyond the activation point Freez Guard's loud alarm (85dB at 3') will sound continuously while temperature is out of range for up to 3 days. Even if the temperature corrects itself and the alarm shuts off, an LED indicator stays lit to indicate that a variance has occurred alerting users to possible damage to contents.

Freez Guard is compact, battery operated and easy to use. It can be mounted on or near any freezer or cooler with either self-adhesive tape or a screw-mounting, and has a 10' probe connection for flexible mounting location. The alarm activation point can be set to register either upward or downward temperature drift with accuracy of ±1%. Freez Guard runs on a 9V battery (not included), has an indicator which beeps when a fresh battery is needed (once a year) and has an additional battery connector for extended maintenance-free operation.

- **8-100** Freez Guard ea. $91.67
- **8-101** Battery, 9V ea. 6.95

**ENVIRONMENTAL TEMP. RECORDERS**

The DeltaTRAK™ Environmental Temperature Recorders are compact, sturdy analog temperature monitoring and recording instruments which are ideal for monitoring refrigerators, incubators, cold rooms, or any situation where temperature is important. They produce a continuous strip chart recording of environmental conditions for up to 62 days, and have a window which provides visible access to the current and recorded data for the last 24 hours. The Recorders use one Alkaline AAA battery and have a solid state quartz motor and a Bi-Metal Coil temperature sensor with an accuracy of ±2° F (1° C) and ±20 sec/month.

The DeltaTRAK Recorders are available in two temperature ranges. Low range is -20 to 100°F and high range is 30 to 150°F. All Recorders use a 36' strip chart (which can be replaced in seconds) so the recorders for shorter time periods provide a more detailed record. The 3 day and 10 day models are available in either high or low range, the 31 day model is low range only and the 62 day model is high range only. All Recorders have a high impact ABS casing, wall mounting bracket, hanging loop, internal switch, security seal and operational indicator, and are supplied with one chart. Dimensions are 4" x 7" x 2 1/4", weight is 13oz. Fahrenheit model is supplied unless centigrade is specified when ordering. Please be sure to specify 3, 10, 31 or 62 day model, and for 3 and 10 day models specify high or low temperature range. When ordering charts please specify which model they are for.

- **8-102** DeltaTRAK Environmental Temperature Recorder $195.00
- **8-103** Replacement Charts 25.00
CR YOGENICS

GOT A HOT SAMPLE? WARN 'EM WITH RAD/DOTS

At last a quick and easy way to label those microtubes which are hazardous to your lab personnel. These tiny but highly visible Radioactive Warning Labels are designed to fit on microtubes caps or sides for quick and easy identification of “hot” contents as you look at your rack. Rad/Dots come 1,000 dots to a roll.

1-125 Rad/Dot Labels roll/1000 $22.00

INTERNAL THREADS
SELF-STANDING
STERILIZED

DEWARS CRYOGENIC VAC-SEAL CONTAINERS

Our Dewars line is superb for the storage and transportation of liquid gases and solid Co2.

The 31-000 series are Stainless Steel with a fully silvered borosilicate glass inner flask. Lids are insulated, vented and fitted with fixing clips, and the containers have a comfortable swing-over safety handle.

The 31-001 series are unbreakable all stainless steel containers which are resistant to vibration, impact or shock. They are safe and easy to use for storage of liquid oxygen, nitrogen and other low temperature liquid gases. Supplied with lids and a detachable carrying handle.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size</th>
<th>Dia x Hgt</th>
<th>Shelf</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
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<tr>
<td>31-000-010</td>
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<td>500</td>
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<td>$568.00</td>
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CRYO- STORAGE BOXES

50 place Cryo-Storage Boxes allow viewing of inner contents without removal from freezer, eliminating the risk of temperature shift. Each rugged polypropylene box has a frosted writing surface on the lid for fast, easy identification and a telescoping lid which allows the box to accommodate a variety of microtube and cyrtube shapes and sizes. Ideal for freezer, refrigerator or benchtop.

The accompanying long-life, felt-tip Cryo-Pen provides a fine line which is indelible to -80°C, allowing permanent, non-streakable indexing on outside of box. Sold in a pack of 5 boxes with 1 pen.

1-123 Cryo-Storage Box pk/5 $24.95
1-124 Cryo-Pen, replacement ea. 4.95

CRYOGENIC VIALS
WITH INTERNAL THREADS ROUND BOTTOM STERILIZED

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size</th>
<th>Dia x Hgt</th>
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<th>Case</th>
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INTERNAL THREADS
SELF-STANDING
STERILIZED

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</tr>
<tr>
<td>1-119</td>
<td>Blue</td>
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<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-120</td>
<td>Green</td>
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<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-121</td>
<td>Yellow</td>
<td>100</td>
<td>17.23</td>
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<td>1-122</td>
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<td>17.23</td>
<td></td>
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CRYOGENIC VIAL CAPS POLYPROPYLENE

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<th>Color</th>
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<th>Case</th>
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<td>$17.23</td>
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</tr>
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<td>Blue</td>
<td>100</td>
<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-121G</td>
<td>Green</td>
<td>100</td>
<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-121Y</td>
<td>Yellow</td>
<td>100</td>
<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-121W</td>
<td>White</td>
<td>100</td>
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STOPPER CAP INSERTS FOR COLOR CODING

<table>
<thead>
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<th>Color</th>
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<th>Case</th>
<th>Price</th>
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<tr>
<td>1-122B</td>
<td>Blue</td>
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</tr>
<tr>
<td>1-122G</td>
<td>Green</td>
<td>500</td>
<td>17.94</td>
<td></td>
</tr>
<tr>
<td>1-122Y</td>
<td>Yellow</td>
<td>500</td>
<td>17.94</td>
<td></td>
</tr>
<tr>
<td>1-122W</td>
<td>White</td>
<td>500</td>
<td>17.94</td>
<td></td>
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</tbody>
</table>

GOT A HOT SAMPLE? WARN ‘EM WITH RAD/DOTS

At last a quick and easy way to label those microtubes which are hazardous to your lab personnel. These tiny but highly visible Radioactive Warning Labels are designed to fit on microtubes caps or sides for quick and easy identification of “hot” contents as you look at your rack. Rad/Dots come 1,000 dots to a roll.

1-125 Rad/Dot Labels roll/1000 $22.00

CYRO- STORAGE BOXES

50 place Cryo-Storage Boxes allow viewing of inner contents without removal from freezer, eliminating the risk of temperature shift. Each rugged polypropylene box has a frosted writing surface on the lid for fast, easy identification and a telescoping lid which allows the box to accommodate a variety of microtube and cyrtube shapes and sizes. Ideal for freezer, refrigerator or benchtop.

The accompanying long-life, felt-tip Cryo-Pen provides a fine line which is indelible to -80°C, allowing permanent, non-streakable indexing on outside of box. Sold in a pack of 5 boxes with 1 pen.

1-123 Cryo-Storage Box pk/5 $24.95
1-124 Cryo-Pen, replacement ea. 4.95

DEWARS CRYOGENIC VAC-SEAL CONTAINERS

Our Dewars line is superb for the storage and transportation of liquid gases and solid Co2.

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1-123 Cryo-Storage Box pk/5 $24.95
1-124 Cryo-Pen, replacement ea. 4.95

STOPPER CAP INSERTS FOR COLOR CODING

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Color</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>1-122R</td>
<td>Red</td>
<td>100</td>
<td>$17.23</td>
<td></td>
</tr>
<tr>
<td>1-122B</td>
<td>Blue</td>
<td>100</td>
<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-122G</td>
<td>Green</td>
<td>100</td>
<td>17.23</td>
<td></td>
</tr>
<tr>
<td>1-122Y</td>
<td>Yellow</td>
<td>100</td>
<td>17.23</td>
<td></td>
</tr>
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<td>1-122W</td>
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<td>100</td>
<td>17.23</td>
<td></td>
</tr>
</tbody>
</table>

GOT A HOT SAMPLE? WARN ‘EM WITH RAD/DOTS

At last a quick and easy way to label those microtubes which are hazardous to your lab personnel. These tiny but highly visible Radioactive Warning Labels are designed to fit on microtubes caps or sides for quick and easy identification of “hot” contents as you look at your rack. Rad/Dots come 1,000 dots to a roll.

1-125 Rad/Dot Labels roll/1000 $22.00
**CRYOGENIC VIALS**

Vials are ideal for storage or transport of material at extremely low temperatures. The vials have external threads, providing a smooth and uniform inner surface. This eliminates the problem of airborne contamination and/or sample loss so common when vials with internal threads are used. The screwcap incorporates a molded-in sealing ring which assures a tight leak-proof seal.

- Graduated in .5ml increments.
- Conical bottom with slotted skirt.

**WORK STATION RACK**
The 50-hole autoclavable rack is designed to hold cryo-storage boxes for storage and inventory. Constructed of rust-proof, chemically resistant anodized aluminum to withstand the rigors of cold storage, each rack has a neoprene coated handle to protect fingers from sticking, and no-skid, no-scratch feet. A variety of sizes and configurations fit most freezers. Vertical configurations are 17.8Wx15.3D cm and hold 2 boxes per tier; horizontal configurations are 36.7Wx15.3D cm and hold 3 boxes per tier. Height varies with capacity (see below).

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Inner Pack</th>
<th>Case Pack</th>
<th>Price</th>
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<td>8 bx.</td>
<td>1000</td>
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<tr>
<td>1-122</td>
<td>Vertical 30.5cm</td>
<td>10 bx.</td>
<td>112.50</td>
<td></td>
</tr>
<tr>
<td>1-123</td>
<td>Vertical 47.1cm</td>
<td>16 bx.</td>
<td>143.75</td>
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</tr>
<tr>
<td>1-124</td>
<td>Vertical 54cm</td>
<td>18 bx.</td>
<td>150.00</td>
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</tr>
<tr>
<td>1-125</td>
<td>Vertical 59.1cm</td>
<td>20 bx.</td>
<td>168.75</td>
<td></td>
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<tr>
<td>1-126</td>
<td>Horiz. 18.5cm</td>
<td>9 bx.</td>
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<tr>
<td>1-127</td>
<td>Horiz. 24.1cm</td>
<td>12 bx.</td>
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<tr>
<td>1-128</td>
<td>Horiz. 30.5cm</td>
<td>15 bx.</td>
<td>136.25</td>
<td></td>
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</table>

**CRYOGENIC VIALS**

Ideal for storing cell cultures, blood serum, sperm and other biological specimens with liquid nitrogen. Vials are available with round bottom and free standing available with internal and external threads, sterilized or non-sterilized. All vials have a white marking area for sample identification.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size ML</th>
<th>Dia x Hgt MM</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1000</td>
<td>$260.39</td>
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<tr>
<td>1-112</td>
<td>1</td>
<td>12x24</td>
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<td>$150.00</td>
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<tr>
<td>1-113</td>
<td>2</td>
<td>12x44</td>
<td>500</td>
<td>175.00</td>
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**EXTERNAL THREAD WITH SELF STANDING STERILIZED WITH COLOR CODED CAPS**

<table>
<thead>
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<th>Catalog No.</th>
<th>Cap Color</th>
<th>Size ML</th>
<th>Dia x Hgt MM</th>
<th>Shelf Pack</th>
<th>Case Pack</th>
<th>Case Price</th>
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</thead>
<tbody>
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<td>1-114W</td>
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<td>12x46</td>
<td>50</td>
<td>500</td>
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<tr>
<td>1-114R</td>
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<td>12x46</td>
<td>50</td>
<td>500</td>
<td>$138.00</td>
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<tr>
<td>1-114P</td>
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<td>12x46</td>
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<td>500</td>
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<td>12x46</td>
<td>50</td>
<td>500</td>
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<td>1-114G</td>
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<td>12x46</td>
<td>50</td>
<td>500</td>
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<tr>
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<td>2</td>
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<td>50</td>
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<td>$138.00</td>
</tr>
</tbody>
</table>

**CRYSTAL VIALS**

These boxes are ideal for freezer storage. They won’t freeze fingers when touched and holes are widely spaced for easy selection of a single tube. Each box holds 100 each 1.5ml or 2.0ml microtubes in 5 rows of 20 alpha-numerically indexed holes, measures 9.4 x 33.8 x 6.3cm and has a snug fitting cover with a finger grip notch. Sold in packs of 10 boxes.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Inner Pack</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-123</td>
<td>Styrofoam Microtube Boxes</td>
<td>pk/10</td>
<td>36.00</td>
<td></td>
</tr>
</tbody>
</table>

**CRYO-STOREAGE RACKS**

Cryo-Storage Racks are specifically designed to hold Cryo-Storage Boxes for storage and inventory. Constructed of rust-proof, chemically resistant anodized aluminum to withstand the rigors of cold storage, each rack has a neoprene coated handle to protect fingers from sticking, and no-skid, no-scratch feet. A variety of sizes and configurations fit most freezers. Vertical configurations are 17.8Wx15.3D cm and hold 2 boxes per tier; horizontal configurations are 36.7Wx15.3D cm and hold 3 boxes per tier. Height varies with capacity (see below).

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Inner Pack</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-111</td>
<td>Vertical 24.2cm</td>
<td>8 bx.</td>
<td>1000</td>
<td>$106.25</td>
</tr>
<tr>
<td>1-112</td>
<td>Vertical 30.5cm</td>
<td>10 bx.</td>
<td>112.50</td>
<td></td>
</tr>
<tr>
<td>1-113</td>
<td>Vertical 47.1cm</td>
<td>16 bx.</td>
<td>143.75</td>
<td></td>
</tr>
<tr>
<td>1-114</td>
<td>Vertical 54cm</td>
<td>18 bx.</td>
<td>150.00</td>
<td></td>
</tr>
<tr>
<td>1-115</td>
<td>Vertical 59.1cm</td>
<td>20 bx.</td>
<td>168.75</td>
<td></td>
</tr>
<tr>
<td>1-116</td>
<td>Horiz. 18.5cm</td>
<td>9 bx.</td>
<td>112.50</td>
<td></td>
</tr>
<tr>
<td>1-117</td>
<td>Horiz. 24.1cm</td>
<td>12 bx.</td>
<td>133.75</td>
<td></td>
</tr>
<tr>
<td>1-118</td>
<td>Horiz. 30.5cm</td>
<td>15 bx.</td>
<td>136.25</td>
<td></td>
</tr>
</tbody>
</table>

**CRYOGENIC VIALS**

Ideal for storing cell cultures, blood serum, sperm and other biological specimens with liquid nitrogen. Vials are available with round bottom and free standing available with internal and external threads, sterilized or non-sterilized. All vials have a white marking area for sample identification.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size ML</th>
<th>Dia x Hgt MM</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-111</td>
<td>2</td>
<td>12x44</td>
<td>1000</td>
<td>$260.39</td>
</tr>
<tr>
<td>1-112</td>
<td>1</td>
<td>12x24</td>
<td>500</td>
<td>$150.00</td>
</tr>
<tr>
<td>1-113</td>
<td>2</td>
<td>12x44</td>
<td>500</td>
<td>175.00</td>
</tr>
</tbody>
</table>

**EXTERNAL THREAD WITH ROUND BOTTOM NONSTERILIZED**

Catalog No. | Size ML | Dia x Hgt MM | Case Pack | Case Price |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-111</td>
<td>2</td>
<td>12x44</td>
<td>1000</td>
<td>$260.39</td>
</tr>
<tr>
<td>1-112</td>
<td>1</td>
<td>12x24</td>
<td>500</td>
<td>$150.00</td>
</tr>
<tr>
<td>1-113</td>
<td>2</td>
<td>12x44</td>
<td>500</td>
<td>175.00</td>
</tr>
</tbody>
</table>

**EXTERNAL THREAD WITH ROUND BOTTOM STERILIZED**

Catalog No. | Size ML | Dia x Hgt MM | Case Pack | Case Price |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1-111</td>
<td>2</td>
<td>12x44</td>
<td>1000</td>
<td>$260.39</td>
</tr>
<tr>
<td>1-112</td>
<td>1</td>
<td>12x24</td>
<td>500</td>
<td>$150.00</td>
</tr>
<tr>
<td>1-113</td>
<td>2</td>
<td>12x44</td>
<td>500</td>
<td>175.00</td>
</tr>
</tbody>
</table>
This rack is constructed of sturdy epoxy coated steel wire and has openings 18mm square for 15mL conical bottom centrifuge tubes. The rack consists of 3 "decks" created from flattened wire to provide generous spaces between tubes so that individual tubes are easy to handle. The top two decks are centered over the rails in the bottom deck holding the conical tips of the tubes firmly and assuring vertical positioning. The rack measures 5"W x 3"D x 3"H (127 x 75 x 75mm) and holds 15 tubes.

| 2-126 | 15mL Centrifuge Tube Rack | $17.95 |

PERSONAL MINI-CENTRIFUGE

This personal microcentrifuge requires only five square inches of bench space and weighs only one pound. It is designed for applications that do not require extremely high g-forces or large tube volumes. The 6 place angle rotor accepts standard 1.5mL tubes and microfiltration units directly. Smaller tubes, such as 0.4mL or 0.5mL can also be accommodated, using adapters. This mini-centrifuge is easy to use - simply close the lid to start a run and release the lid to stop a run.

- Useful for quick spin downs from walls or caps of microcentrifuge tubes, microfiltration of HPLC samples and cell separations.
- Stops and starts in seconds.
- Supplied complete with 6 adapters for 0.5mL tubes.

**SPECIFICATIONS**

- Max. speed: 6000 rpm
- Max. RCF: 2000 xg
- Max. capacity: 12mL (6 x 2.0mL)
- Electrical: 115V/60 Hz.
- Weight: 1 lb.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-131</td>
<td>Mini centrifuge with 6 adapters for 0.5mL tubes</td>
</tr>
<tr>
<td>2-132</td>
<td>Extra adapters for 0.5mL tubes, pk/6</td>
</tr>
<tr>
<td>2-133</td>
<td>Adapter for 0.4mL tubes, pk/6</td>
</tr>
</tbody>
</table>

MICROTUBES ARE EASY TO HANDLE WITH A WATER/ICE BATH RACK

Transfer 1.5mL microfuge tubes from boiling water to icebath in microseconds without scalding your fingers or losing precious samples that can so easily slip through makeshift foil slots. The Water/Ice/Bath Rack is constructed of anodized aluminum with a screwdown top which secures tubes, prevents them from floating and keeps tube caps from popping open. It also has a thermometer slot. The Round models are designed to fit all standard size beakers.

**ROUND WATER/ICE BATH RACKS**

<table>
<thead>
<tr>
<th>No.</th>
<th>DIA.</th>
<th>NO. TUBES</th>
<th>BEAKER SIZE</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-135</td>
<td>5.5cm</td>
<td>6</td>
<td>250mL</td>
<td>$46.50</td>
</tr>
<tr>
<td>2-136</td>
<td>6.5cm</td>
<td>8</td>
<td>400mL</td>
<td>46.50</td>
</tr>
<tr>
<td>2-137</td>
<td>8.2cm</td>
<td>13</td>
<td>600mL</td>
<td>46.50</td>
</tr>
<tr>
<td>2-138</td>
<td>8.9cm</td>
<td>16</td>
<td>800mL</td>
<td>46.50</td>
</tr>
<tr>
<td>2-139</td>
<td>9.5cm</td>
<td>16</td>
<td>1000mL</td>
<td>46.50</td>
</tr>
</tbody>
</table>

**RECTANGULAR WATER/ICE BATH RACKS**

<table>
<thead>
<tr>
<th>No.</th>
<th>RACK SIZE (cm)</th>
<th>NO. TUBES</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-140</td>
<td>7.8Wx12.1Lx4.1H</td>
<td>24</td>
<td>$35.00</td>
</tr>
<tr>
<td>2-141</td>
<td>9.2Wx26.7Lx5.4H</td>
<td>48</td>
<td>46.50</td>
</tr>
</tbody>
</table>
CENTRIFUGE TUBES STERILE (PP)

These 50ml polypropylene centrifuge tubes are manufactured in a special clear grade of polymer used for producing medical devices. The tubes are printed with clear blue graduations available in either skitted or non-skitted design with EPS racks. Tubes come in cases of 250 but with inner packs of 25.

Cat No. Desc Cap.ml Sterility Length x Breadth Number Price /case
2-100 Non Skirting* 50 lr 115x31 250 $82.80
2-102 Free Standing 50 lr 114x31 250 82.80

*EPS Rack included

ROUND CENTRIFUGE TUBES

• POLYPROPYLENE
• LOW COST ENOUGH TO BE DISPOSABLE
• USEFUL AS TEST TUBES

Round tubes with beaded rim. Will withstand RCF up to 5000. Resistant to steam sterilization (121 °C). Optional closures available. (see below)

Cat No. Cap ml Dia. x Ht. mm Price/kg. No. in Cs. Price/Cs.
2-102 7 12 x 100 $18.50/100 500 92.50
2-103 10 16 x 100 30.00/250 1000 120.00
2-104 16 18 x 100 27.00/200 1000 135.00
2-105 26 24 x 90 15.50/50 500 77.50
2-106 48 30 x 90 12.20/25 250 30.50
2-107 75 30 x 100 15.00/20 100 30.00
2-108 110 40 x 100 19.50/20 200 39.00
2-109 160 45 x 120 15.00/10 100 150.00
2-110 200 50 x 120 17.50/10 100 175.00

POLYETHYLENE CLOSURES FOR ABOVE TUBES. PACKED IN BAGS OF 100.

Cat No. mm To Fit No. in Cs. Price/Cs.
2-116 12 2-102 500 $12.80
2-117 16 2-103 1000 31.40
2-117 16 2-104 1000 40.50
2-118 18 2-105 500 28.00
2-119 24 2-106 250 21.00
2-120 30 2-107 100 12.50
2-121 35 2-108 200 22.00
2-122 40 2-109 200 25.00
2-123 45 2-110 100 14.00
2-124 50 2-111 100 14.00

PREMIUM GRADE 1.5ML MICROTUBES IN 6 COLORS AT INCREDIBLE PRICES

These premium polypropylene Microtubes have many features formerly found only in tubes costing 3 to 4 times more. Graduated on one side, with a frosted writing surface on the other, the tubes are free from flash, air bubbles and undue variations of wall thickness. The easy-opening lid provides a leakproof seal, uniformly 0.3mm thick and easily pierced. Quality tested at 40,000 RCF before releasing, the tubes are available in natural, yellow, blue, green, orange, amber or a rainbow pack of 100 each of the 6 colors. Please specify color when ordering.

Cat No. Desc Price/pkg. No. in Cs. Price/Cs.
2-111 Prem. Microtubes, natural cs/1000 $18.90
2-112 Prem. Microtubes, colored cs/1000 20.00
2-113 Prem. Microtubes, assorted cs/600 14.60

DISPOSABLE MICRO TEST TUBES

High quality polypropylene microfuge tubes, with added thickness at the bottom to avoid leakage during centrifugation. Attached pierceable cap can be used on the latest Eppendorf® automatic machine. Available in 0.5 Ml or 1.5Ml sizes in bags of 1000.

Cat No. mm To Fit Price/bag.
2-114 Micro Tubes, 0.5Ml bag/1M $20.70
2-115 Micro Tubes, 1.5Ml bag/1M 17.90

CENTRIFUGE BOTTLES WITH CONICAL OR ROUND BOTTOMS CAN’T STAND ALONE...

But they will stay stable and upright in this Poxygrid® Rack. Constructed of blue epoxy-coated steel wire, this rack holds 6 centrifuge bottles up to 250Ml (60mm diameter). The unique design has 2 levels, with rails on the bottom level to hold conical tips. Dimensions: 83/16” W x 55/16” D x 4” H.

Cat No. Desc Price
2-125 Centrifuge Bottle Rack $15.10
MICROTUBE RACKS WITH UNIQUE BUILT IN WATER/ICE BATH

These racks are comprised of two pieces: the top is a tube rack and the bottom is a tray which holds water or crushed ice. Combine them for a system that is a self-contained, no mess water or ice bath. The racks are constructed of high impact grey styrene, and are available in 3 sizes, one for 0.4ml tubes and two for 1.5ml tubes. The 105 place 0.4ml rack and the 50 place 1.5ml rack are stackable.

---

15ML NON-Sterile CENTRIFUGE TUBES

- Available in threaded and non-threaded versions.
- Available in Super Vu® polypropylene for chemical resistance and greater strength, or Ultra Vu® polystyrene for optical clarity.
- 15ML size = 118.0mm x 16.5mm.
- Ultra Vu polystyrene tubes are designed to withstand up to 1800 RCF; Super Vu polypropylene up to 6250 RCF.
- Large write-on area for easy sample identification.
- Printed or molded in graduations show increments of 0.1mL from 0.1ML, then increments of 0.5mL from 1-15mL.
- CHOICE OF CAPS:
  - BLUE PLUG SEAL – one piece, polyethylene, leak-resistant caps.
  - NATURAL PLUG SEAL – used with Metal-Free 15ML.
  - PLUG-TITE – for straight wall tubes.

---

STERILE 15ML CENTRIFUGE TUBES

- Sterilized in accordance with AAMI Guidelines by irradiation.
- Available in bags or Centri-Pack® Racks.
- Centri-Pack Racks are made of recyclable, expanded polystyrene foam. Each slot is numbered and the rack can be snapped apart to form individual work stations.
- Centri-Pack Racks are shipped in tamper evident zip-seal bags.

---

MOLDED-IN GRADUATIONS ON STRAIGHT WALL (UNTHREADED) WITHOUT CAP

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Material</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-190</td>
<td>Styrene</td>
<td>1000/Bag</td>
<td>$46.00</td>
</tr>
<tr>
<td>2-191</td>
<td>Styrene</td>
<td>10 Boxes of 100</td>
<td>$5.50</td>
</tr>
<tr>
<td>2-192</td>
<td>Polypropylene</td>
<td>1000/Bag</td>
<td>$46.00</td>
</tr>
<tr>
<td>2-193</td>
<td>Polypropylene</td>
<td>10 Boxes of 100</td>
<td>$5.50</td>
</tr>
<tr>
<td>2-194</td>
<td>Large Plug-Tite Cap</td>
<td>1000/Bag</td>
<td>$25.00</td>
</tr>
</tbody>
</table>

MOLDED-IN GRADUATIONS ON SCREW CAP TUBES

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Material</th>
<th>Cap Type</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-195</td>
<td>Styrene</td>
<td>Plug Seal, BL</td>
<td>4 Bags of 250</td>
<td>$85.00</td>
</tr>
<tr>
<td>2-196</td>
<td>Polypropylene</td>
<td>Plug Seal, BL</td>
<td>4 Bags of 250</td>
<td>$88.00</td>
</tr>
<tr>
<td>2-197</td>
<td>Polypropylene, Metal-Free</td>
<td>Plug Seal, Nat.</td>
<td>4 Bags of 250</td>
<td>$92.00</td>
</tr>
</tbody>
</table>

PRINTED GRADUATIONS ON SCREW CAP TUBES

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Material</th>
<th>Cap Type</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-198</td>
<td>Styrene</td>
<td>Plug Seal, Blue</td>
<td>4 Bags of 250</td>
<td>$100.00</td>
</tr>
<tr>
<td>2-199</td>
<td>Polypropylene</td>
<td>Plug Seal, Blue</td>
<td>4 Bags of 250</td>
<td>$103.00</td>
</tr>
</tbody>
</table>
**BESTRACK™**
**Holds 96 Tubes**

The new BestRack for microfuge tubes is ingeniously designed to accept 96 each 0.5ml tubes on one side, or 96 each 1.5 or 2.0ml tubes on the other. The transparent lid fits either side and has enough clearance to accommodate higher profile screw-cap microtubes. Both sides are in a standard 8x12 matrix for users needing a microtiter format, have a frosted area for labeling and the holes are spaced for easy handling and access so all 96 places can be used at once. The autoclavable BestRack and lid are constructed of durable polypropylene and are available in natural, blue, green, orange, red, violet or yellow. Specify color when ordering. Sold in a pack of 5 racks with lids.

**IT’S REVERSIBLE**

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-142</td>
<td>BestRack w/ lid pk/5</td>
<td>$61.25</td>
</tr>
</tbody>
</table>

**THE ONLY HEATING BLOCK FOR MICROTUBES WITH CONICAL BOTTOMS**

 Lux’s new Heating Blocks for 0.5ml and 1.5ml microtubes have specially drilled holes which fit the conical shape of microtube bottoms, providing close contact with the entire tube and even heat distribution throughout the sample, without filling holes with sand or water. These solid aluminum Heating Blocks are accurate to ±1/2°C and reach temperature faster than a water bath. Designed to run all day, every day, year after year the Blocks hold 40 tubes and are fully adjustable from ambient to maximum, with a recessed temperature control to prevent accidental resetting. The Blocks are available in two temperature ranges, ambient to 65°C and ambient to 110°C* and two sizes, one for 0.5ml tubes and one for 1.5ml tubes. All Blocks measure a compact 8”D x 4”W x3”H and run on 120VAC current.

*If you are working at temperatures under 65°C we recommend using 40° C to 125° C; high centrifugation of 6000 RCF; exceptional quality.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-143</td>
<td>Heating Block-0.5ml tubes-65°</td>
<td>$280.00</td>
</tr>
<tr>
<td>2-144</td>
<td>Heating Block-1.5ml tubes-65°</td>
<td>280.00</td>
</tr>
<tr>
<td>2-145</td>
<td>Heating Block-0.5ml tubes-110°</td>
<td>280.00</td>
</tr>
<tr>
<td>2-146</td>
<td>Heating Block-1.5ml tubes-110°</td>
<td>280.00</td>
</tr>
</tbody>
</table>

**SCREW CAP CENTRIFUGE TUBES**

Premium quality general purpose centrifuge tubes with optional printed graduations. Supplied with caps 
**Easy To Read**
- Available with molded-in graduations, or for exceptional reading ease, printed graduations
- Large writing area makes identification simple

**Superior Clarity & Durability**
- 50ml: Made from premium polypropylene copolymer for excellent chemical resistance, withstands temperature extremes of -40°C to 125°C; High centrifugation of 6000 RCF; exceptional quality.
- 15ml: Available in polyethylene or polypropylene. Polyethylene offers glass-like clarity and can withstand 1800 RCF. Polypropylene has excellent chemical resistance and can withstand 6400 RCF.

**Various Packaging**
- Available in Bulk, Bag Pack, or expanded styrene Foam Trays.
- Available non-sterile, or sterile by gamma irradiation.

**Leakproof Seal**
- Molded in seal-ring ensures a leakproof seal without the contamination problems associated with cap liners.

**Volume** | **Material** | **Printed Graduations** | **Molded in Graduations**
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>15ml</td>
<td>Polystyrene</td>
<td>Sterile Pack</td>
<td>2-160P Number  Price 2-160M Number  Price</td>
</tr>
<tr>
<td>15ml</td>
<td>Polypropylene</td>
<td>Sterile Tray 50 Pack 500</td>
<td>2-161P 76.00 2-161M 66.00</td>
</tr>
<tr>
<td>15ml</td>
<td>Polypropylene</td>
<td>Sterile Bag 25 Pack 500</td>
<td>2-162P 68.00 2-162M 58.00</td>
</tr>
<tr>
<td>15ml</td>
<td>Polypropylene</td>
<td>Non-Sterile Bag 500 Pack 500</td>
<td>2-163P 68.00 2-163M 58.00</td>
</tr>
<tr>
<td>15ml</td>
<td>Polypropylene</td>
<td>Non-Sterile Bag 500 Pack 500</td>
<td>2-164 55.00 2-164M 45.00</td>
</tr>
<tr>
<td>50ml</td>
<td>Polypropylene</td>
<td>Non-Sterile Tray 25 Pack 500</td>
<td>2-165P 109.00 2-165M 97.00</td>
</tr>
<tr>
<td>50ml</td>
<td>Polypropylene</td>
<td>Non-Sterile Bag 25 Pack 500</td>
<td>2-166P 99.00 2-166M 87.00</td>
</tr>
<tr>
<td>50ml</td>
<td>Polypropylene</td>
<td>Non-Sterile Bag 500 Pack 500</td>
<td>2-167P 99.00 2-167M 87.00</td>
</tr>
</tbody>
</table>

**DYNA CHILL™ PORTABLE COOLER**

Keep Your Samples Cold as Ice…

Keeps samples cold for eight hours or longer

Small enough to fit in the palm of your hand, yet holds 12 x 1.5ml tubes

Requires no ice. Patented refrigerant in sides, bottom and lid surrounds samples in cold

Ideal for enzyme storage and transporting samples

Portable coolers available for 0°C and - 15°C

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-147</td>
<td>DyNA Chill Port. Cooler, 0°C, 12 x 1.5/2.0 Ml ea</td>
<td>$35.00</td>
</tr>
<tr>
<td>2-148</td>
<td>DyNA Chill Port. Cooler, -15°C, 12 x 1.5/2.0 Ml ea</td>
<td>35.00</td>
</tr>
</tbody>
</table>

**MICRO TUBE CUTTER**

Safely and easily removes the tips from plastic micro tubes without the hazards of using razor blades or knives. Radioactive pellets caught in the tips may be retrieved using the lower temperature model for greater accuracy.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-150</td>
<td>Micro Tube Cutter.</td>
<td>$13.95</td>
</tr>
<tr>
<td>2-151</td>
<td>Replacement Blade</td>
<td>5.95</td>
</tr>
<tr>
<td>2-152</td>
<td>Replacement Blade</td>
<td>5.95</td>
</tr>
</tbody>
</table>

**2-150 Replacement Blade 5.95**

Small enough to fit in the palm of your hand, yet holds 12 x 1.5 Ml tubes without the hazards of using razor blades or knives. Radioactive pellets caught in the tips may be retrieved using the lower temperature model for greater accuracy.

Safely and easily removes the tips from plastic micro tubes without the hazards of using razor blades or knives. Radioactive pellets caught in the tips may be retrieved using the lower temperature model for greater accuracy.

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The risk of exposure to increasingly virulent blood-borne pathogens makes using a shield a must, so it’s about time someone designed a shield that is easy and comfortable to use. The gentle bend is set at 9 1/2”, so it’s below, not in, the normal line of sight. The lower area is just 12” wide to eliminate awkward reaching and make working behind the shield more comfortable, the 20” wide top area gives greater protection against accidental splashes, and the 12” deep base provides excellent stability.

The shield is designed to be used comfortably from either a standing or sitting position and is fabricated from 1/4” clear acrylic for strength, durability and ease of viewing. Base: 16”W x 12”D x 20”H; Face Area: 20”W x 10 1/2”H; Overall: 20”W x 12”D x 20”H.

**3-101 Splash Shield**

$57.50
50ML CENTRIFUGE TUBES
- Super-Vu® polypropylene tubes withstand up to 6000 RCF.
- 50mL size = 116 x 29mm.
- Choice of conical bottom with or without freestanding base.
- Printed or molded-in graduations show increments of 2.5mL from 0-10mL, then increments of 5mL from 10-50mL.
- Large write-on area for easy sample identification.
- Choice of screw caps:
  - BLUE PLUG SEAL – one piece, polyethylene, leak-resistant caps.
  - NATURAL PLUG SEAL – used with Metal-Free Cap 50mL.
  - WHITE TITESEAL – linerless write-on flat, polyethylene cap.

STERILE 50ML CENTRIFUGE TUBES
- Sterilized by irradiation in accordance with AAMI Guidelines
- Two packaging configurations: Bags and Centri-Pack® Racks.
- Centri-Pack Racks are made of recyclable expanded polystyrene foam. Each slot is numbered, and racks can be snapped apart to form individual work stations which may be stored in low temperature conditions in Elkay’s re-closable, zip-seal bags.

POLYPROPYLENE MICROCENTRIFUGE TUBES
- Positive Snap-Seal closures for leak-tight seals.
- Flat, needle-pierceable tops allow easy sample removal.
- Two write-on areas – one on the side, one on top – for easy identification.
- Graduation lines allow volume estimation at a glance.
- Metal Free 1.5mL and 1.9mL tubes available for trace metal analysis.
- Sterile packaging available in 1.5mL size only.
- 1.5mL available in amber material which filters out 99.8% of UV light between 290 and 400 nanometers.
- Not suited for use with chloroform or phenol.
- Polypropylene tubes can be autoclaved at 121°C (250°F).
- Polyethylene tubes can be easily cut for pellet removal.

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- Polypropylene tubes can be autoclaved at 121°C (250°F).
- Polyethylene tubes can be easily cut for pellet removal.

POLYETHYLENE MICROCENTRIFUGE TUBES
- 250mL w/Cap, Natural
- 400mL w/Cap, Natural

MOLDED-IN GRADUATIONS ON SUPER-VU POLYPROPYLENE WITHOUT BASE

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Cap Type</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-210</td>
<td>Plug Seal, Blue</td>
<td>10 Bags of 50</td>
<td>$90.00</td>
</tr>
<tr>
<td>2-211</td>
<td>Plug Seal, Natural</td>
<td>10 Bags of 50</td>
<td>97.00</td>
</tr>
<tr>
<td>2-212</td>
<td>TiteSeal, White</td>
<td>10 Bags of 50</td>
<td>100.00</td>
</tr>
</tbody>
</table>

MOLDED-IN GRADUATIONS ON SUPER-VU POLYPROPYLENE WITH FREE-STANDING BASE

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>In Graduation Cap Type</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-213</td>
<td>Plug Seal, Blue</td>
<td>10 Bags of 50</td>
<td>93.00</td>
</tr>
<tr>
<td>2-214</td>
<td>Plug Seal, Blue</td>
<td>10 Bags of 50</td>
<td>105.00</td>
</tr>
<tr>
<td>2-215</td>
<td>TiteSeal, White</td>
<td>10 Bags of 50</td>
<td>115.00</td>
</tr>
</tbody>
</table>

PRINTED GRADUATIONS ON SUPER-VU POLYPROPYLENE WITHOUT BASE

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-240</td>
<td>400mL w/Cap, Natural</td>
<td>1000</td>
<td>$25.00</td>
</tr>
<tr>
<td>2-241</td>
<td>500mL w/Cap, Natural</td>
<td>1000</td>
<td>25.00</td>
</tr>
<tr>
<td>2-242</td>
<td>1.5mL w/Cap, Natural</td>
<td>1000</td>
<td>34.00</td>
</tr>
<tr>
<td>2-243</td>
<td>1.5mL w/Cap, Natural, Sterile</td>
<td>500</td>
<td>47.50</td>
</tr>
<tr>
<td>2-244</td>
<td>1.5mL w/Cap, Natural, Metal Free</td>
<td>1000</td>
<td>41.00</td>
</tr>
<tr>
<td>2-245</td>
<td>1.5mL w/Cap, Natural</td>
<td>1000</td>
<td>33.00</td>
</tr>
<tr>
<td>2-246</td>
<td>1.5mL w/Cap, Blue</td>
<td>1000</td>
<td>39.00</td>
</tr>
<tr>
<td>2-247</td>
<td>1.5mL w/Cap, Green</td>
<td>1000</td>
<td>39.00</td>
</tr>
<tr>
<td>2-248</td>
<td>1.5mL w/Cap, Yellow</td>
<td>1000</td>
<td>39.00</td>
</tr>
<tr>
<td>2-249</td>
<td>1.5mL w/Cap, Red</td>
<td>1000</td>
<td>39.00</td>
</tr>
<tr>
<td>2-250</td>
<td>1.5mL w/Cap, Amber</td>
<td>1000</td>
<td>41.00</td>
</tr>
<tr>
<td>2-251</td>
<td>1.9mL w/Cap, Natural</td>
<td>1000</td>
<td>36.00</td>
</tr>
<tr>
<td>2-252</td>
<td>1.9mL w/Cap, Blue</td>
<td>1000</td>
<td>41.00</td>
</tr>
<tr>
<td>2-253</td>
<td>1.9mL w/Cap, Green</td>
<td>1000</td>
<td>41.00</td>
</tr>
<tr>
<td>2-254</td>
<td>1.9mL w/Cap, Yellow</td>
<td>1000</td>
<td>41.00</td>
</tr>
<tr>
<td>2-255</td>
<td>1.9mL w/Cap, Natural, Metal Free</td>
<td>1000</td>
<td>39.00</td>
</tr>
</tbody>
</table>
**GEL FIXING TRAYS WILL SAVE YOU TIME AND MONEY**

These virtually unbreakable, heavy, polyethylene Fixing Trays provide an advantage over standard trays by allowing the user to drain the fluid and then place filter paper on top of the gel while it rests in the tray. In addition, the fixing solution is recoverable for subsequent reuse. The Trays are also useful in electrophoresis gel destaining. Trays come in two convenient sizes for small or large vertical glass electrophoresis gel plates.

The Fixing Trays are 1/4” thick with a top flange for added stiffness. There are five bars running the length of the tray to raise the gel and plates off the bottom which facilitates manual extraction. Each tray has a drain faucet in the side near the bottom. Small tray is 16” x 20” x 3” deep inside and large tray is 21 1/2” x 25 1/2” x 4” deep inside.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-100</td>
<td>Small Fixing Tray</td>
<td>$77.25</td>
</tr>
<tr>
<td>4-101</td>
<td>Large Fixing Tray</td>
<td>$97.85</td>
</tr>
</tbody>
</table>

---

**THE EFFORTLESS WAY TO EXTRACT DNA FROM GELS**

Now you can extract DNA from gels in as little as 90 seconds without spinning, washing, heating, precipitation, and most importantly, with up to 95% recovery and no damage to DNA. This revolutionary new device uses the principle of electrophoresis and requires no additional equipment. It can be used in any submerged horizontal gel electrophoresis system and works with any buffer. Simply pick up the DNA band with GeneCAPSULE™ and place on the top of the gel. Rapid electrophoresis, and DNA is recovered in 10-30Ml and is ready for ligation, restriction enzyme digestion, sequencing, amplification, random priming, nick translation and other enzymatic reactions. GeneCAPSULE is a single use device so it eliminates the risk of cross contamination, and it can be used for extraction of DNA as small as 18bp. Each kit contains 54 complete GeneCAPSULE units. Available in Small (for 4-6mm wide Gel Combs), Large (for 6-8mm side Gel Combs), or Mixed (27 of each size).

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-110</td>
<td>GeneCAPSULE kit, Small</td>
<td>$157.50</td>
</tr>
<tr>
<td>4-111</td>
<td>GeneCAPSULE kit, Large</td>
<td>$157.50</td>
</tr>
<tr>
<td>4-112</td>
<td>GeneCAPSULE kit, Mixed</td>
<td>$157.50</td>
</tr>
</tbody>
</table>

---

**SPINDRIVE™ ORBITAL SHAKER PLATFORM**

This low profile orbital shaker is magnetically driven. Placing it on top of your ordinary magnetic stirrer instantly turns it into an orbital shaker. Speed adjustment is accomplished by setting the magnetic stirrer to the desired orbiting speed. The top and bottom plates have non-skid pads to keep the shaker and vessels from “crawling”. The top is designed to prevent any spillage from affecting the operating mechanism. It has four pick-up indents for easy lifting and carrying. The shaker is 8-7/8” [225mm] square and 2.1” [53mm] high. Weighs only 2.2 lbs. [1Kg.]

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-100</td>
<td>Orbital Shaker Platform</td>
<td>$179.00</td>
</tr>
<tr>
<td>5-101</td>
<td>Vibrating Platform</td>
<td>$169.00</td>
</tr>
</tbody>
</table>

---

**VORTEX SHAKERS FOR PLATES AND TUBES**

These variable speed Vortex Shakers have a solid, heavy duty construction and exceptionally powerful motors with advanced electronic controls. The sturdy, stable units are designed to withstand the stresses of continuous operation, even in controlled environments from 2°C to 65°C such as cold rooms and incubators. The Shakers operate at constant speed, regardless of load or voltage fluctuation and have a speed range of 100-1200rpm, a horizontally circular motion with an orbit of 3mm and a 30 minute timer with “hold”.

The model 5-111 is designed to accommodate 60 microtubes (1.5ml or 2.0ml) or 0.5ml tubes with optional insert adapters. The convenient tube platform lifts off easily, allowing it to be used as a workstation/transfer rack. Extra platform racks are available separately. Model 5-110 is designed to accommodate two 96 well plates held by a contoured stainless steel platform with retaining springs. Each has a maximum load capacity of 0.7lbs, is 115V/60Hz and measures 6.6”W x 7.9”D x 5.5”H.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-110</td>
<td>Vortex Shaker for 2 Plates</td>
<td>$565.00</td>
</tr>
<tr>
<td>5-111</td>
<td>Vortex Shaker for Tubes</td>
<td>$560.00</td>
</tr>
<tr>
<td>5-112</td>
<td>Adapter for 0.5ml Tubes</td>
<td>$560.00</td>
</tr>
<tr>
<td>5-113</td>
<td>Extra Tube Platform/Rack</td>
<td>$560.00</td>
</tr>
</tbody>
</table>
DYN-A-MED
TRI-STIR® BEAKER

Flat bottom surface which accepts and keeps stir bars centered.

• Autoclavable. Made from translucent polypropylene.
• Flat bottom surface, stackable with stable, flat 360° molded in ring base.
• Easy to read molded in graduations in ML’s and ounces.
• V notched corners for easy pour and less spillage capability.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Size</th>
<th>Case</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-102</td>
<td>Assorted 5 of Each</td>
<td>$15.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-103</td>
<td>50ML</td>
<td>100</td>
<td>14.00</td>
<td></td>
</tr>
<tr>
<td>3-104</td>
<td>100ML</td>
<td>100</td>
<td>15.36</td>
<td></td>
</tr>
<tr>
<td>3-105</td>
<td>250ML</td>
<td>100</td>
<td>21.30</td>
<td></td>
</tr>
<tr>
<td>3-106</td>
<td>400ML</td>
<td>100</td>
<td>23.40</td>
<td></td>
</tr>
<tr>
<td>3-107</td>
<td>800ML</td>
<td>100</td>
<td>30.80</td>
<td></td>
</tr>
<tr>
<td>3-108</td>
<td>1000ML</td>
<td>100</td>
<td>32.80</td>
<td></td>
</tr>
</tbody>
</table>

GET A GRIP ON THAT CYLINDER!

Holdfast® Graduated Cylinders, available in 1000ml and 2000ml sizes have an ergonomically designed handle to facilitate pouring in comfort and safety. Molded of polypropylene, they are chemically resistant and steam autoclavable at 250°F. The Holdfast Graduated Cylinders have a hexagonal base for increased stability and a double scale with raised numerical graduations for easy reading of dispensed or contained liquids.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Size</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-110</td>
<td>1000ML</td>
<td>pk/5</td>
<td>$13.50</td>
</tr>
<tr>
<td>3-111</td>
<td>2000ML</td>
<td>pk/5</td>
<td>26.95</td>
</tr>
</tbody>
</table>

GRADUATED PITCHERS TALL FORM

Gracefully proportioned, chemical-resistant, and shatterproof, these pitchers have well-designed spouts and large handles. Metric graduations are molded on outside wall.

A. POLYPROPYLENE

Steam autoclavable at 250°F (121°C)

<table>
<thead>
<tr>
<th>Catalog no.</th>
<th>Capacity</th>
<th>Top I.D</th>
<th>Height</th>
<th>Graduations</th>
<th>Graduations</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-120</td>
<td>100</td>
<td>1.9</td>
<td>48</td>
<td>3.1  80</td>
<td>5  36</td>
<td>$4.15</td>
</tr>
<tr>
<td>3-121</td>
<td>250</td>
<td>2.5</td>
<td>64</td>
<td>4.7  119</td>
<td>5  24</td>
<td>5.25</td>
</tr>
<tr>
<td>3-122</td>
<td>500</td>
<td>3.2</td>
<td>81</td>
<td>5.3  135</td>
<td>10  2</td>
<td>5.00</td>
</tr>
<tr>
<td>3-123</td>
<td>1000</td>
<td>4.1</td>
<td>104</td>
<td>6.6  167</td>
<td>50  24</td>
<td>5.15</td>
</tr>
<tr>
<td>3-124</td>
<td>2000</td>
<td>5.3</td>
<td>132</td>
<td>8.1  205</td>
<td>100 12</td>
<td>5.80</td>
</tr>
<tr>
<td>3-125</td>
<td>3000</td>
<td>6.0</td>
<td>152</td>
<td>9.1  232</td>
<td>100 12</td>
<td>7.35</td>
</tr>
<tr>
<td>3-126</td>
<td>5000</td>
<td>7.4</td>
<td>187</td>
<td>10.8 275</td>
<td>100 6</td>
<td>26.95</td>
</tr>
</tbody>
</table>

B. TPX® POLYMETHYLpentene

Crystal-clear and heat-resistant to 350°F (177°C)

<table>
<thead>
<tr>
<th>Catalog no.</th>
<th>Capacity</th>
<th>Top I.D</th>
<th>Height</th>
<th>Graduations</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-130</td>
<td>500</td>
<td>3.2</td>
<td>81</td>
<td>5.3  135</td>
<td>10  24</td>
</tr>
<tr>
<td>3-131</td>
<td>1000</td>
<td>4.1</td>
<td>104</td>
<td>6.6  167</td>
<td>50  24</td>
</tr>
<tr>
<td>3-132</td>
<td>2000</td>
<td>5.3</td>
<td>132</td>
<td>8.1  205</td>
<td>100 12</td>
</tr>
<tr>
<td>3-133</td>
<td>3000</td>
<td>6.0</td>
<td>152</td>
<td>9.1  232</td>
<td>100 12</td>
</tr>
</tbody>
</table>
**SLS-LUX Scientific**

### SPECIMEN CUPS

- Precision molded polypropylene 4.5 oz. (120mL) cup is shatterproof and leaktight.
- Easy-to-read, molded-in graduations in ounces and milliliters.
- Frosted write-on areas on cup and cap.
- Two types of sterile packaging – banded and individually wrapped.
- Sterility Band indicates cap has not been removed from cup since manufacture. Interior sterility ensured until peel-off plastic strip is removed.
- Also available non-sterile.
- Overall specimen cup dimensions: 2.90 inches (73.6mm)H, 2.59 inches (65.79mm)D.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-140</td>
<td>Specimen Cup &amp; Screw Cap, Sterile</td>
<td>100 Individually Wrapped</td>
<td>$34.00</td>
</tr>
<tr>
<td>7-141</td>
<td>Specimen Cup &amp; Screw Cap, Sterile</td>
<td>200 Individually Wrapped</td>
<td>$4.00</td>
</tr>
<tr>
<td>7-142</td>
<td>Specimen Cup &amp; Screw Cap, Non Sterile</td>
<td>500 Caps/Polybag; 25 Cups/Sleeve</td>
<td>$51.50</td>
</tr>
<tr>
<td>7-143</td>
<td>Specimen Cup, Non-Sterile</td>
<td>20 Sleeves of 25 Cups/Sleeve</td>
<td>$27.50</td>
</tr>
<tr>
<td>7-144</td>
<td>Screw Cap, Non-Sterile</td>
<td>500</td>
<td></td>
</tr>
</tbody>
</table>

**Banded Specimen Cups**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-150</td>
<td>Specimen Cup &amp; Screw Cap, Banded, Interior Sterile</td>
<td>100 Individually Banded</td>
<td>$22.00</td>
</tr>
<tr>
<td>7-152</td>
<td>Specimen Cup &amp; Screw Cap, Banded, Interior Sterile</td>
<td>250 Individually Banded</td>
<td>$53.00</td>
</tr>
</tbody>
</table>

### SLS-LUX BRAND SPECIMEN CUPS

4.5 oz. specimen cup is the modern laboratory answer for convenience and dependability.

- Precision molded polypropylene body with a high-density polyethylene screw cap.
- Quarter-turn Screw cap – locks down fast and tight.
- Frosted Areas – for a convenient writing surface. Has the following labels: Name, Room No., Doctor, Date, and Time.

### Specimen Cups

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Qty.</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-160</td>
<td>Specimen Cup w/attached Screw cap, Individually Wrapped, Sterile</td>
<td>100</td>
<td>$24.00</td>
</tr>
<tr>
<td>7-161</td>
<td>Specimen Cup w/separate Screw cap, Bulk Pack, Non-Sterile</td>
<td>500</td>
<td>$40.00</td>
</tr>
<tr>
<td>7-162</td>
<td>Specimen Cup, Bulk Pack, Non-Sterile</td>
<td>500</td>
<td>$26.00</td>
</tr>
<tr>
<td>7-163</td>
<td>Specimen cap, Bulk Pack, Non-Sterile</td>
<td>500</td>
<td>$20.00</td>
</tr>
</tbody>
</table>

### DILY-VIALS®

DILY-VIALS® are disposable Hematology sample vials precision molded from premium grade Polystyrene for blood cell counting.

- Specially de-ionized and de-staticized to insure accurate cell and particle counts.
- Optically clear, parallel sides.
- Molded-in graduations at 10mL and 20mL.
- Easily removable leak-tight cap with tab.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price Per Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-170</td>
<td>144/Pack</td>
<td>1 Gross</td>
<td>$14.25</td>
</tr>
<tr>
<td>7-171</td>
<td>Bulk</td>
<td>1000</td>
<td>$9.00</td>
</tr>
</tbody>
</table>

### FIBRIN CUPS AND PIPET TIPS

Fibrin Cups and Tips are manufactured of high quality polyethylene, designed for use with BBL Fibrometer® analyzer in automated coagulation studies.

- Snug pipet tip fit assures accurate dispensing.
- Cup has convenient write-on tab for easy sample identification.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price Per Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-180</td>
<td>Cup HDPE 1.3ML</td>
<td>1000</td>
<td>$15.00</td>
</tr>
<tr>
<td>7-181</td>
<td>Tip LDPE 101-200uL</td>
<td>1000</td>
<td>$21.00</td>
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</table>
MULTI-PURPOSE SAMPLE CUPS
- Molded form clear polystyrene
- 2ML size also available in polyethylene
- Molded-in graduations for easy reading
- Conical bottom for efficient aspiration
- Sizes from 0.25ML to 4ML
- Choice of five colors for easy identification
- Three styles of caps available (see pages 4-6)
- 0.25ML and 0.5ML cups for use on Centrifichem®, Technicon®, Auto-analyzers™, Kodak® Ektachem™ E-400 and E-700
- 2.0ML cups for use on Technicon Auto-analyzers, Kodak Ektachem E-400 and E-700
- 4.0ML cups for use on Technicon Auto-analyzers

SAMPLE CUPS FOR HITACHI®, NOVA® AND IL® 1800
- For use with Hitachi® 700 series, Nova® and IL® 1800 electrolyte instruments.
- 2.0ML capacity
- Packed in polybags
- Polystyrene

ELKAY EZEE-NEST™ SAMPLE CUPS
- Samples are poured from blood collection tubes into the cup which is immediately placed inside the tubes, eliminating the need to re-label.
- Lower shoulder height prevents mechanical jamming of the instrument sample arm against the cup.
- 2.0ML cup for use with 16mm blood collection tubes on the Hitachi® 747, Kodak® Ektachem™ 700 Series Systems and the DuPont Dimension®
- 1.0ML cup for use with 13mm blood collection tubes
- Ezee-Perf™ caps are available for 1.0ML sample cups
- Packaged in polybags
- Polystyrene

MULTI-PURPOSE Sample Cups
<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Price Per Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-100</td>
<td>0.25ML Polystyrene, Natural</td>
<td>$22.00</td>
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<td>7-101</td>
<td>0.5ML Polystyrene, Natural</td>
<td>$19.75</td>
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<tr>
<td>7-102</td>
<td>0.5ML Polystyrene, Natural Drum Container</td>
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<td>7-103</td>
<td>2.0ML Polystyrene, Natural</td>
<td>$16.00</td>
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<td>7-104</td>
<td>2.0ML Polyethylene, Natural Drum Container</td>
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<td>7-105</td>
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<td>7-106</td>
<td>4.0ML Polystyrene, Natural</td>
<td>$20.25</td>
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SAMPLE CUPS FOR COBAS-BIO®, FARÁ® AND MIRA®

<table>
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<th>Description</th>
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<tr>
<td>7-110</td>
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<td>7-110G</td>
<td>Green</td>
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<td>7-110Y</td>
<td>Yellow</td>
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<td>7-110B</td>
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</table>

Sample Cups for Abbott ABA & VP® Series
- 0.15ML
- $24.00

Sample Cups for Technicon SMAC®
- 5.0ML
- $36.00

Sample Cups for Hitachi 700 Series, Nova and IL1800
- 2.0ML, For use with Hitachi 704
- 705, 706, 712, 717, 736, 737, 747, Nova and IL1800
- $32.50
ORGANIZERS FOR
WEIGHING ACCESSORIES AND PH METER ACCESSORIES

KEEP YOUR WEIGHINGS FAST AND EASY. SAVE ON SUPPLIES TOO.
The Mini Balance Bank™ holds spatulas, pens, paper, calculators, small and medium papers and boats.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Dimensions</th>
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</thead>
<tbody>
<tr>
<td>31-145</td>
<td>12x 12 x 5&quot; (lhw)</td>
<td>$69.95</td>
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STASH YOUR FAVORITE WEIGHING SUPPLIES IN A BALANCE BANK™.
- Faster weighings because supplies are at your fingertips
- Cleaner supplies because compartments protect Kimwipes®, weigh papers boats, spatulas
- Promotes lab cleanliness

The Top Loader BalanceBank™ works well for larger weighings because it holds small, medium and large (6x6") weigh papers and boats.

<table>
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<tbody>
<tr>
<td>31-146</td>
<td>12x 12 x 7&quot;</td>
<td>$79.95</td>
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</table>

USE THIS. IT'S A GREAT WAY TO HOLD PH METER SUPPLIES.
- Spacious shelves for wash bottles, waste beakers, buffers etc.
- Room to put stir bars, KCl solution and pipets
- Dispenser makes it easy to pull each tissue
- Compact size to allow convenient reach to supplies

The Mini pHPerch™ (above) holds your favorite pH adjustment supplies.

<table>
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<td>37-148</td>
<td>36x 12 x 6&quot; (lhw)</td>
<td>$129.95</td>
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The Deluxe pHPerch™ (right) has more than twice the capacity of the Mini pHPerch™.

GAIN SPACE WITH ONE OF THESE GUYS. WHY HAVE SUPPLIES CLUTTERING UP THE BENCH?
- Heavy duty to last for years
- Made from solid PVC so they’re chemically resistant and easy to clean
- Small footprint but high capacity
- 4, 6 or 8" shelves, 8-16" high

<table>
<thead>
<tr>
<th>Catalog Number</th>
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<td>10&quot;</td>
<td>31.99</td>
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SORT AND STORE ITEMS BY FUNCTION. YOU’LL HAVE A HIGH RETURN ON YOUR INVESTMENT.
- 4, 6 or 8" shelves to fit small or large diameter objects
- 12 to 20" high for flexibility

<table>
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<td>9&quot;</td>
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</table>

*Distance Between Shelves
LAB BENCHTOP ORGANIZERS

CREATE a really organized lab – go for one of these TrippNT BenchBoosters™.

• Large 7” wide bottom shelf to provide higher capacity
• Many compartments to hold your pens, pencils, calculators, etc.
• All models have easy access.
• Standardized holders for small, medium and large weigh papers and boats to make them available and protected.

We all have favorite lab tools and supplies. Personalize, organize and arrange your favorite items for total convenience and access with the Deluxe BenchBooster™. You'll be pleasantly surprised at how they seem to practically maintain themselves saving you time and frustration. Made to last.

• The Mighty Micro wraps around to provide high capacity fingertip access to supplies. Great for specialist who have to prepare lots of small samples.

Prepare samples with less effort.

The Midi MightyMicro and HPLC Organizer (not shown) are compact for a smaller footprint. The straight design makes them perfect for many areas. The HPLC Organizer holds up to 10 LC columns.

Keep Your Lab Neat

• Stays white, won’t rust
• Built to last

With these multi-width shelf units it’s easy to store various sized objects. The bottom shelves are 8” wide to accommodate larger and wider objects.

Extended Double Shelf - 6” top and 8” bottom shelf, 24” long, 8 to 16” high

Make life easier and designate a place for everything. When there is a specified place for lab supplies it makes it easier to know when it’s time to reorder.

These HANDY guys really pull their weight.

• Keep benchtop clear
• Separate lab functions
• Store personal reagents

Double Shelf - 6” top and 8” bottom shelf, 12” long, 8 to 16” high

TrippNT shelves keep benchtops clear and FREE for work.

• 3 shelf depths for flexibility
• Sturdy yet easy to move
• White color brightens lab

TrippNT shelves provide 3 shelf widths to accommodate a variety of objects. Store anything from glassware and chemicals to CDs.

Enjoy a clean lab. It’s pure Joy.

• PVC is easy on glass - won’t leave scratches
• Won’t rust like metal

Extended Triple Shelf - 4, 6 and 8” wide shelf, 24” long, up to 20” high

What happens if you can’t find the reagents to conduct an experiment? You have more work to do. A TrippNT shelf will end the hunting hassle.

Table

<table>
<thead>
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<th>Catalog Number</th>
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<td>Mighty Micro</td>
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<td>31-102</td>
<td>Midi Mighty Micro</td>
<td>24 x 12 x 6”</td>
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<td>31-103</td>
<td>HPLC Organizer</td>
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<td>31-119</td>
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<td>31-139</td>
<td>20”</td>
<td>9.0”</td>
<td>72.50</td>
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</tbody>
</table>

*distance between shelves
**LARGE DISPLAY**

2 CHANNEL CLOCK/TIMER SHOWS BOTH CHANNELS AT ONCE

**AVAILABLE W/NIST CERTIFICATE OF OWNERSHIP**

This timer’s display is large enough (3 x 2 1/2") to read from across a room. It simultaneously displays either on count up channel and a clock or two count down channels. Both channels have a 24 hour range with 1 second resolution. Timer counts up after alarm sounds, recalls the last timer setting, has an extra large start/stop button and a loud alarm. Fold it for freestanding use or wall mount it, the timer runs for up to 2 years on one AAA battery (included) and measures 5 x 3 3/4 x 1/2".

<table>
<thead>
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<td>Large Display 2 Channel Timer</td>
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<td>32-101</td>
<td>2 Channel Timer w/Certificate</td>
<td>$49.00</td>
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</tbody>
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**LARGE DISPLAY WATER RESISTANT STOPWATCH**

5 YEAR WARRANTY AVAILABLE WITH NIST TRACEABLE CERTIFICATE OF COMPLIANCE

This stopwatch has a sonically welded case to insure excellent water resistance, a large 5/8" display for easy reading and large buttons for error-free use. It counts up to 24 hours with a resolution of 1/100 second for the first 40 minutes and 1 second thereafter. It has a lap function, an alarm clock and a calendar, runs on 1 button cell battery (included) and measures 2 7/8 x 3 1/4 x 3/4".

<table>
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<td>32-105</td>
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<td>Stopwatch w/Certificate</td>
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**SHORTEN YOUR REACH AND ANALYSIS TIME.**

- Only 2 shelves to fit low overhang areas
- 8 to 16" high to fit various sized objects
- Solid PVC construction to make them easy to clean

<table>
<thead>
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We’ve taken solid PVC and designed shelves for every sized space. And because they are so durable, they are perfect for laboratory work. Don’t put up with a messy lab. Instead, put TrippNT shelves to work for you.

Add order to your lab:

- 3 shelves, but only 12" wide to fit narrow areas
- 5 heights to choose from - up to 20" high for tall objects

Turned up lip for added safety

<table>
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<th>Width</th>
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<td>6&quot;</td>
<td>4.75&quot;</td>
<td>$34.50</td>
</tr>
<tr>
<td>31-199</td>
<td>14&quot;</td>
<td>6&quot;</td>
<td>5.75&quot;</td>
<td>$38.50</td>
</tr>
<tr>
<td>31-200</td>
<td>16&quot;</td>
<td>6&quot;</td>
<td>6.75&quot;</td>
<td>$42.50</td>
</tr>
<tr>
<td>31-201</td>
<td>18&quot;</td>
<td>6&quot;</td>
<td>7.75&quot;</td>
<td>$46.50</td>
</tr>
<tr>
<td>31-202</td>
<td>20&quot;</td>
<td>6&quot;</td>
<td>8.75</td>
<td>$50.50</td>
</tr>
</tbody>
</table>

2 shelves, 24" long
3 shelves, 12" long

1-800-220-7574
www.sls-lux.com
3 CHANNELS CAN BE CONCURRENTLY SET FROM 1 SECOND TO 10 HOURS

Times three procedures simultaneously. Can be set for any time span from 1 second to 10 hours in each channel. Each channel has its own individual electronic tone and visual signal to indicate when time has expired. The tone sounds until it is manually turned off. Provides LCD digital readout in hours, minutes and seconds. It is small (3” x 3” x 13/8”), lightweight (81/2 oz.) and rugged. Powered by two AA batteries (not included).

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-110</td>
<td>Triple Timer</td>
<td>$29.00</td>
</tr>
<tr>
<td>32-111</td>
<td>AA Batteries</td>
<td>$4.95</td>
</tr>
</tbody>
</table>

MINI TIME CONTROLLER WITH 6 ON AND 6 OFF SETTINGS PER DAY

PLUS A BACK-UP BATTERY, 5 YEAR WARRANTY

AVAILABLE WITH NIST TRACEABLE CERTIFICATE OF COMPLIANCE

Program any piece of equipment for up to 6 on and 6 off settings per day, a total of 84 settings per week. Run time is from one minute up, and manual override option is provided. LED light indicates power is on, and LCD displays real time as well as programmed times. Back-up battery (included) insures programs are not lost in case of power failure. Suitable for use with any equipment not exceeding 1 HP, 15 Amp, 2400 Watt, running on 120V AC 50/60 Hz.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-115</td>
<td>Mini Time Controller</td>
<td>$39.00</td>
</tr>
<tr>
<td>32-116</td>
<td>Mini Time Controller w/certif.</td>
<td>$63.00</td>
</tr>
</tbody>
</table>

ELECTRONIC TIMER / STOPWATCH

Timer mode counts down from 100 minutes in minutes and seconds and beeps loudly when period is complete. The stopwatch mode counts up to 60 minutes then recycles automatically. LCD digital. Clips, stands or attaches magnetically. Battery included.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-112</td>
<td>Electronic Timer/Stopwatch</td>
<td>$18.00</td>
</tr>
</tbody>
</table>

5 CHANNEL TIMER

Available with NIST Traceable Certificate of Compliance

Clock plus 4 independent timing channels. Each counts up or down for any interval from 1 second to 100 hours, has its own distinctive 1 minute alarm and when timer reaches zero automatically begins to count up indicating time elapsed after zero. Extra large display indicates channels in use. Memory recalls last timer setting for reuse. Timer has stand, pocket clip and magnet, is lightweight (2 oz.) and measures just 27/8” x 21/2” x 9/16”. 5 year warranty.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>32-117</td>
<td>5 Channel Timer</td>
<td>$22.00</td>
</tr>
<tr>
<td>32-118</td>
<td>5 Channel Timer w/cert.</td>
<td>$46.00</td>
</tr>
</tbody>
</table>

LARGE BOTTLE SHIPPERS

Catalog Number | Description                                | Case Qty. | Price  |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>33-100</td>
<td>A - *Cider jug style 1-gallon shipper bottle cavity 6½ Dia x 12½ H</td>
<td>10</td>
<td>$34.70</td>
</tr>
<tr>
<td>33-101</td>
<td>B - *Pharmaceutical style 1-gallon shipper bottle cavity 6¾ Dia x 13½ H</td>
<td>9</td>
<td>31.55</td>
</tr>
<tr>
<td>33-102</td>
<td>*2.5 Liter/80 oz. jugs and boston rounds bottle cavity 3¾ Dia x 12½ H</td>
<td>21</td>
<td>31.40</td>
</tr>
<tr>
<td>33-103</td>
<td>C - *Four x 2.5-liter shipper bottle cavity 3” Dia x 11½ H</td>
<td>4</td>
<td>21.60</td>
</tr>
<tr>
<td>33-104</td>
<td>D - *Six x 1-liter Shipper bottle cavity 4 x 4 8/16 H</td>
<td>12</td>
<td>33.90</td>
</tr>
<tr>
<td>33-105</td>
<td>*Six x 1-quart shipper bottle cavity 3½ x 3½ x 8½ H</td>
<td>13</td>
<td>48.25</td>
</tr>
<tr>
<td>33-106</td>
<td>E - *1-liter/1 quart boston round shipper bottle cavity 3½ Dia x 9 H</td>
<td>50</td>
<td>76.00</td>
</tr>
<tr>
<td>33-107</td>
<td>F - *1-pint boston round shipper bottle cavity 3 Dia x 7½ H</td>
<td>70</td>
<td>68.70</td>
</tr>
</tbody>
</table>
### SPECIMEN TUBE RACKS AND SHIPPERS

#### DUAL PURPOSE TUBE RACK/SHIPPER

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-140</td>
<td>Holds, stores and ships 48 tubes of various diameters and lengths.</td>
<td>12</td>
<td>$46.15</td>
</tr>
<tr>
<td>33-141</td>
<td>Mailer Carton</td>
<td>12</td>
<td>17.15</td>
</tr>
</tbody>
</table>

#### CENTRIFUGE TUBE RACK

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-142</td>
<td>Handles 250ul, 400ul and 1.5Ml tubes. This compact rack has a 50 tube capacity stackable</td>
<td>18</td>
<td>46.15</td>
</tr>
</tbody>
</table>

#### 40 ML VOA VIAL SHIPPER

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-143</td>
<td>Holds up to 12 vials with 28mm diameter. Shipper includes reusable polyethylene platform and one 24 oz. refrigerant pack. Includes 200 lb test corrugated carton.</td>
<td>8</td>
<td>$99.75</td>
</tr>
<tr>
<td>33-144</td>
<td>Same as above but holds 48 vials.</td>
<td>8</td>
<td>131.70</td>
</tr>
</tbody>
</table>

#### SHIPPER FOR VIALS WITH 16MM - 20MM DIAMETER

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-145</td>
<td>Polystyrene container with flexible foam polyurethane for cushioning. Holds up to 24 vials. Includes 200 lb test carton</td>
<td>12</td>
<td>$124.55</td>
</tr>
<tr>
<td>33-146</td>
<td>Same as above but holds 48 vials.</td>
<td>10</td>
<td>$145.70</td>
</tr>
</tbody>
</table>
### SMALL BOTTLE SHIPPERS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty</th>
<th>Price/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-110 A.</td>
<td>Hold 20 bottles with 10ml capacity. bottle cavity is 1/4 Dia x 2 1/4 Height</td>
<td>90</td>
<td>$110.00</td>
</tr>
<tr>
<td>33-111 B.</td>
<td>Holds 5 bottles with 60ml capacity bottle cavity is 1/2 Dia x 3 3/4 Height</td>
<td>125</td>
<td>151.00</td>
</tr>
<tr>
<td>33-114 C.</td>
<td>8 oz boston round mailer bottle cavity is 2 1/4 Dia x 5 1/4 Height mailer carton</td>
<td>120</td>
<td>72.55</td>
</tr>
<tr>
<td>33-112 D.</td>
<td>2 oz boston round mailer bottle cavity is 1 1/2 Dia x 3&quot; Height mailer carton</td>
<td>100</td>
<td>41.40</td>
</tr>
<tr>
<td>33-113 E.</td>
<td>4 oz boston round/french square mailer bottle cavity is 5/8, x 2&quot; Height mailer carton</td>
<td>100</td>
<td>45.45</td>
</tr>
</tbody>
</table>

### POLYSTYRENE FOAM INSULATED SPECIMEN MAILERS AND BOTTLE SHIPPERS

#### LARGE THICKWALL SPECIMEN MAILER WITH CORRUGATED SHIPPING CARTON

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Wall Thickness</th>
<th>Dimensions</th>
<th>Case Qty</th>
<th>Price/CASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-120 A.</td>
<td>Ideal for refrigerated samples in 500 ml bottles. Also perfect for protecting tissue flasks with a growth area of 175cm2</td>
<td>1 1/4</td>
<td>8 x 6 x 4</td>
<td>12</td>
<td>67.30</td>
</tr>
<tr>
<td>33-121 B.</td>
<td>Holds up to 10 standard Petri Dishes Mailer Carton</td>
<td>3/4</td>
<td>6 3/4 x 3 3/4 x 3 3/4</td>
<td>48</td>
<td>26.30</td>
</tr>
<tr>
<td>33-123 C.</td>
<td>Holds up to 100 standard Petri Dishes Mailer Carton</td>
<td>1/4</td>
<td>19 1/4 x 7 1/4 x 6 1/4</td>
<td>12</td>
<td>39.30</td>
</tr>
</tbody>
</table>

### FLEXIBLE FOAM BOTTLE JACKETS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Qty</th>
<th>Price/Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>33-125</td>
<td>Holds one gallon/4-Liter bottle with Diameters 5 1/4 - 7&quot; outer dimensions 9 x 9 x 5</td>
<td>12</td>
<td>$41.95</td>
</tr>
<tr>
<td>33-126</td>
<td>Holds 32 oz/1-Liter bottle with Diameters 3 1/4 - 4 1/4 outer dimensions 5 1/4 x 5 1/4 x 4 1/4</td>
<td>18</td>
<td>$40.75</td>
</tr>
<tr>
<td>33-127</td>
<td>Holds 16 oz/500ml bottle with Diameters 2 1/4 x 3 1/4 outer dimensions 5 x 5 x 3 1/4</td>
<td>24</td>
<td>41.15</td>
</tr>
<tr>
<td>33-128</td>
<td>Holds Four - 40ml vials outer dimensions 4 x 4 x 4</td>
<td>24</td>
<td>23.95</td>
</tr>
<tr>
<td>Catalog Number</td>
<td>Description</td>
<td>Case Qty.</td>
<td>Price/Case</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------</td>
<td>------------</td>
</tr>
<tr>
<td>33-150</td>
<td>*Single tube mailer. Holds one specimen tube (3ml-10ml)</td>
<td>300</td>
<td>$85.10</td>
</tr>
<tr>
<td>33-151</td>
<td>&quot;mailing carton&quot;</td>
<td>300</td>
<td>44.25</td>
</tr>
<tr>
<td>33-152</td>
<td>*Combination mailer. Holds two tubes and two slides</td>
<td>150</td>
<td>$56.15</td>
</tr>
<tr>
<td>33-153</td>
<td>&quot;mailing carton&quot;</td>
<td>300</td>
<td>55.75</td>
</tr>
<tr>
<td>33-154</td>
<td>*Three tube mailer. Holds three specimen tubes (3ml-10ml) in 105mm x 17mm cavity</td>
<td>150</td>
<td>$53.25</td>
</tr>
<tr>
<td>33-155</td>
<td>&quot;mailing carton&quot;</td>
<td>300</td>
<td>39.25</td>
</tr>
<tr>
<td>33-156</td>
<td>*Combination mailer for four tubes and eight slides. Carries standard 3&quot;x1&quot; slides and (7ml-10ml) specimen tubes in cavities measuring 110mm x 19mm</td>
<td>100</td>
<td>$60.45</td>
</tr>
<tr>
<td>33-157</td>
<td>&quot;mailing carton&quot;</td>
<td>200</td>
<td>63.55</td>
</tr>
<tr>
<td>33-158</td>
<td>*Five tube mailer. Holds specimen tubes (3ml - 5 ml) in cavities measuring 105mm x 13mm</td>
<td>150</td>
<td>$52.60</td>
</tr>
<tr>
<td>33-159</td>
<td>&quot;mailing carton&quot;</td>
<td>300</td>
<td>39.15</td>
</tr>
<tr>
<td>33-160</td>
<td>*Combination mailer for eight tubes and eight slides. Carries standard 3&quot; x 1&quot; slides and specimen tubes (5ml - 10ml) in cavities measuring 113mm x 18mm</td>
<td>50</td>
<td>$31.45</td>
</tr>
<tr>
<td>33-161</td>
<td>&quot;mailing carton&quot;</td>
<td>200</td>
<td>53.55</td>
</tr>
<tr>
<td>33-162</td>
<td>*Combination mailer for histopathology. Carries two slide packets or ten vials in cavities measuring 105mm x 13mm diameter.</td>
<td>150</td>
<td>$52.60</td>
</tr>
<tr>
<td>33-163</td>
<td>&quot;mailing carton&quot;</td>
<td>300</td>
<td>39.25</td>
</tr>
<tr>
<td>33-164</td>
<td>*Ten slide mailer. Carries up to ten standard 3&quot; x 1&quot; slides diameter.</td>
<td>300</td>
<td>$97.70</td>
</tr>
<tr>
<td>33-165</td>
<td>&quot;mailing carton&quot;</td>
<td>300</td>
<td>54.30</td>
</tr>
</tbody>
</table>
INFRARED HEAT LAMP - FOR QUICK, EVEN AND SAFE HEATING

This new Infrared Heat Lamp, with a 250 Watt Infrared bulb, provides safe heat for quick-drying, keeping samples warm on the bench, or any other laboratory task requiring heat without air flow. This study, all-metal lamp has an 42” hinged base which mounts on the edge of any bench or table.

Two styles of option floor stands offer additional versatility: a pedestal base for permanent positioning or a stable, four-legged base with castors for added mobility. The Infrared Heat Lamp comes complete with bulb guard (easily removable for bulb replacement), 250 Watt bulb and screw-clamp base.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-140</td>
<td>Infrared Heat Lamp</td>
<td>$140.00</td>
</tr>
<tr>
<td>35-141</td>
<td>Base Pedestal</td>
<td>85.00</td>
</tr>
<tr>
<td>35-142</td>
<td>Base Castors</td>
<td>105.00</td>
</tr>
<tr>
<td>35-143</td>
<td>Replacement Bulb</td>
<td>18.00</td>
</tr>
</tbody>
</table>

STANDARD ILLUMINATORS FIBER-LITE 3100 30 WATT QUARTZ HALOGEN ECONOMICAL OPTIC ILLUMINATOR

The Model 3100 is a light weight and compact 30 Watt, quartz halogen illuminator with a remote plug in the wall transformer. The unit uses an EKZ lamp, which will deliver upwards of 10,000 foot candles of intense, cold illumination. The 3100 has a standard Doler-jenner nosepiece, which allows the interface of all the Fiber-Lite standard and custom fiber optic light guides. A four position, solid state intensity control is provided for precise light level settings. This model is typically used for co-axial illumination in microscopy and machine vision applications.

TECHNICAL INFORMATION:
- Lamp: 10.8 Volt, 30 Watt Quartz Halogen, Type EKZ
- Lamp Life: 2000 hrs. at full intensity
- Color Temperature: 3100° K
- Intensity Control: 4 position switch
- Voltage: 115 VAC, 60H

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-144</td>
<td>Fiber-Lite 3100</td>
<td>ea. $240.00</td>
</tr>
</tbody>
</table>

BIFURCATED FIBRE LIGHT

This extremely versatile 150 watt Bifurcated Fibre Light system puts out up to 40,000 ft. candles with the lenses at a 3" working distance. The system is suitable for higher magnifications (120X plus) and provides the most obedient light output placement for critical illumination requirements at angles of incidence from near vertical to near horizontal. Slide-lock lenses can be adjusted rapidly or removed for diffuse illumination.

Opposed angle illumination will always provide an illuminated field and reduced shadow obstruction. Photographic exposure times will be short and excellent. The system provides an excellent light source for small animal microsurgery with a stereomicroscope, general specimen preparation, examination of cultures and tissue trip preparation for light and electron microscopy, while decreasing morphological changes induced by dehydration and heat.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-145</td>
<td>Bifurcated Fibre Light</td>
<td>ea. $584.00</td>
</tr>
<tr>
<td>35-146</td>
<td>Replacement Bulb</td>
<td>ea. 22.50</td>
</tr>
</tbody>
</table>

HIGH INTENSITY COLD LIGHT

Fibre Lite Illuminator provides cold light and flexible positioning with no vibration and no heat for perfect viewing of the most temperature sensitive specimens. With its lens at a working distance of 3” (7.6cm), Fibre Lite Illuminator provides 10,000 foot candles of illumination suitable for up to 200X magnification. Its 28” long flexible pipe remains at ambient temperature to prevent burned fingertips when repositioning and the self supporting base allows easy light positioning for all viewing angles.

The Fibre Lite Illuminator has a 30 watt halogen lamp in a rugged, convection-cooled enclosure which results in no noise, vibration or air particle generation. The 3-position light intensity switch allows the selection of appropriate light levels for optimum lighting control. Lamp life increases significantly at lower level settings. Base measures 71/2”H x 51/4”W.

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-150</td>
<td>Fiber Lite Illuminator</td>
<td>ea. $339.00</td>
</tr>
<tr>
<td>35-151</td>
<td>Replacement Bulb</td>
<td>22.50</td>
</tr>
</tbody>
</table>

FLUORESCENT MAGNIFIERS

7121 CLAMP MAGNIFIER
7121WB TABLE MODEL MAGNIFIER

Magnifying lamps. Full 5" diameter, 3-diopter precision ground distortion free magnifying lenses. Spring balanced articulating arms. For use with 22 watt circline fluorescent lamps (not supplied). Scratch resistant polycarbonate shades. 9 foot three conductor cords.

7121: Precision cast adjustable VC-6 clamp opens 2.25". 45° professional long reach. UL.
7121WB: Compact 30” reach. 10” diameter heavily weighted base. Portable. UL.

Optional: Swing Away Magnifiers
Mag-3 - Three diopter auxiliary magnifier
Mag-10 Ten diopter auxiliary magnifier

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-155</td>
<td>Clamp Magnifier 7121</td>
<td>$155.00</td>
</tr>
<tr>
<td>35-156</td>
<td>Table Model Magnifier 7121WB</td>
<td>175.00</td>
</tr>
<tr>
<td>35-158</td>
<td>Three Diopter Auxiliary Magnifier Mag-3</td>
<td>13.75</td>
</tr>
<tr>
<td>35-159</td>
<td>Ten Diopter Auxiliary Magnifier Mag-10</td>
<td>16.50</td>
</tr>
</tbody>
</table>
**MINI LIGHT BOX**

The Mini Light Box offers a color-corrected fluorescent viewing surface that is ideal for looking at slides, checking multiwell plates, petri dishes, or x-rays.

The compact, lightweight unit saves precious bench space and can be stored in a drawer. It can be battery operated for complete portability, or can be used with a 6V DC adapter. Each unit is supplied with a removable counting grid.

Size: 6 1/4" w x 5 3/8" d x 1 3/4" h  
Viewing area: 5" w x 4" d  
Weight: 9 oz. without batteries

Power: 4 C batteries not included (alkaline recommended)

Catalog  Number Description Price  
35-100 Mini Light Box $91.70  
35-101 Counting Grids - Pkg./5 $10.30  
35-102 AC Adapter Plug $18.60

---

**LOW COST PORTABLE UV LAMPS**

Lightweight, compact, battery operated UV Lamps eliminate cords and hassle, and feature lifetime filters and 360° rotation of light source. Handle opens into a base for stationary use. Three models available: longwave, shortwave and simultaneous long and shortwave. Great for screening mini-gels, forensics, field work and a host of other applications. Safety Glasses are shade 3.0 Green.

Catalog  Number Description Price  
35-120 Portable LW UV Lamp ea. $51.95  
35-121 Portable SW UV Lamp ea. $66.95  
35-122 Portable L&S UV Lamp ea. $56.95  
35-123 UV Safety Glasses ea. $11.50

---

**LET THERE BE FLUORESCENT LIGHT BOXES!!!**

FLUORESCENT LIGHT BOXES with stainless steel frames and opal acrylic tops. Takes the place of the old fashioned, costly light table. No glass top to break. They can be stored like a book in an upright position when your job is finished. Hard to find lab bench or desk top space is not monopolized by the light box when it is not in use. Top is made of opal acrylic plastic which is shatterproof and gives maximum light diffusion with minimum glare. Flush top permits use with items that are larger than the unit. Fluorescent lighting prevents overheating.

Models A to C are 2-3/16" high and use 15 watt lamps. Other models are 2-3/4" high and use 20 watt lamps. The low height of the light boxes makes it convenient to use on top of a desk or lab table. Completely flat top allows you to use a straight edge or drafting machine with convenience. Rubber feet prevent slipping. Comes complete with standard cool white fluorescent lamps and an 8 foot long 3-wire cord and plug. Operates on 115 volts, 60 Hz only. Watts listed in table below are total for all lamps.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size, inches</th>
<th>No. lamps</th>
<th>Watts</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>A-35-110</td>
<td>11 x 18</td>
<td>2</td>
<td>30</td>
<td>$138.75</td>
</tr>
<tr>
<td>B-35-111</td>
<td>16 x 18</td>
<td>2</td>
<td>30</td>
<td>152.50</td>
</tr>
<tr>
<td>C-35-112</td>
<td>16 x 18</td>
<td>4</td>
<td>60</td>
<td>191.25</td>
</tr>
<tr>
<td>D-35-113</td>
<td>18 x 24</td>
<td>2</td>
<td>40</td>
<td>192.00</td>
</tr>
<tr>
<td>E-35-114</td>
<td>18 x 24</td>
<td>3</td>
<td>60</td>
<td>209.75</td>
</tr>
<tr>
<td>F-35-115</td>
<td>18 x 24</td>
<td>4</td>
<td>80</td>
<td>226.75</td>
</tr>
</tbody>
</table>

---

**MINIATURE HALOGEN LIGHT WITH MANY VERSATILE BASES**

Provides a concentrated light source suitable to any task involving accurate detail work. The Littlite efficiently produces crisp “white” light, concentrated in a tightly controlled pattern, easily aimed where needed.

The system consists of a 12” or 18” gooseneck, 5/16” dia., a hood over a 5 watt halogen bulb, a mounting base and fully adjustable dimmer. The several bases available make the system highly versatile. Standard bases (supplied with the Littlite) are a pair of adhesive backed heavy duty Velcro for quick easy removal of the lamp, and two screws for permanent mounting. Optional bases: a clamp that adjusts from 1/16” to 2 1/2” for mounting to a shelf or cabinet, a high tension clamp ideal for books or clipboards, and a weighted 2 x 4” base that allows the light to be freestanding.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>35-130</td>
<td>Littlite Set 12” Set ea.</td>
<td>$57.00</td>
</tr>
<tr>
<td>35-131</td>
<td>Littlite Set 18” Set ea.</td>
<td>$7.00</td>
</tr>
<tr>
<td>35-132</td>
<td>Weighted Base ea.</td>
<td>11.00</td>
</tr>
<tr>
<td>35-133</td>
<td>Adjustable Clamp ea.</td>
<td>12.00</td>
</tr>
<tr>
<td>35-134</td>
<td>High Tension Clamp ea.</td>
<td>9.50</td>
</tr>
<tr>
<td>35-135</td>
<td>Replacement Bulb ea.</td>
<td>9.00</td>
</tr>
</tbody>
</table>
MODEL #7450
WIDE ANGLE ILLUMINATED MAGNIFIER

Two compact fluorescent energy saving lamps providing the equivalent of
75W each - 150W total - of bright white - 4100K - cool operating lamps (supplied). 7” x 4.25” wide glass lens is placed between lamps - each
with its own switch eliminating glare. 4 diopter and 8 diopter 3” OD auxiliary lenses are available optionally for instant mounting when additional magnification is
required. 45” reach adjustable arms with precision cast swivel deliver light exactly where needed. Supplied with adjustable angles (VC-6) clamp. Ruggedly built to last. UL
listed. US made. Other accessories are available optionally.

MODEL #7452

Portable weighted base model delivering same specs and features for use in close - limited space - work quarters.

7308 ALPHA SERIES DUAL FUNCTION

Independent dual function 3 diopter 5” - “both eyes” - magnifier along with its own independent flexible energy
saving Halogen light. Low voltage 50W Halogen lamp, supplied - delivers almost 150% the output of 100W standard, but consumers only 50 watts of energy. 30” lamp reach. Supplied with VC-6 adjustable angle clamp. Convenient plug-in remote transformer. 8 ft. cord. On/off switch. Replacement lamp
#439. Accessories are available optionally. UVB filter.

#7420 HALOGEN
UNIVERSAL - 100W

SLX™ Power Series Halogen. Ruggedly built, unique lamp. 32” reach. Additional options are available through SLS-LUX, including the side bracket (S8-1) for use on side of traveling automated drawing machines. Supplied with 100W 120V quartz Halogen bulb (Repl’ #1435), a VC-6 adjustable clamp and a convenience outlet box for test instruments, electric tools, etc. 9 ft. 3-conductor grounded cord. UVB filtered.

#7422 HALOGEN
DESK LAMP - 100W

JENCONS VARIABLE VOLUME SINGLE CHANNEL PIPETTORS

A range of specially designed, digital, variable volume pipettors. Volume adjustment is easily obtained by turning the light but positive thumb activated plunger mechanism. The selected volume is shown on the clear digital display on the hand grip. Five models cover the volume range 0.5ul-5000ul.

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Range</th>
<th>Increment</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-130</td>
<td>0.5-10ul</td>
<td>0.1ul</td>
<td>&lt;5.0-&lt;1.5%</td>
<td>&lt;5.0-&lt;1.05</td>
<td>$204.00</td>
</tr>
<tr>
<td>10-132</td>
<td>5-50ul</td>
<td>0.5ul</td>
<td>&lt;3.5-&lt;1.2%</td>
<td>&lt;3.0-&lt;0.4%</td>
<td>204.00</td>
</tr>
<tr>
<td>10-133</td>
<td>50-200ul</td>
<td>1.0ul</td>
<td>&lt;1.0-&lt;0.7%</td>
<td>&lt;0.4-&lt;0.2%</td>
<td>204.00</td>
</tr>
<tr>
<td>10-134</td>
<td>200-1000ul</td>
<td>5.0ul</td>
<td>&lt;0.8-&lt;0.8%</td>
<td>&lt;0.3-&lt;0.2%</td>
<td>204.00</td>
</tr>
<tr>
<td>10-135</td>
<td>1-5Ml</td>
<td>50ul</td>
<td>&lt;0.8-&lt;1.0%</td>
<td>&lt;0.3-&lt;0.2%</td>
<td>204.00</td>
</tr>
</tbody>
</table>

FIXED VOLUME SINGLE CHANNEL PIPETTORS

A range of specially designed fixed volume pipettors ideally suited to the pipetting needs of educational, medical, research and industrial laboratories. Twelve models cover the range 5Ml-5000ul. Sealpette fixed volume pipettors are the ideal solution for laboratories carrying out routine, repetitive pipetting with a high degree of accuracy and precision.

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Capacity</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-140</td>
<td>5ul</td>
<td>&lt;3.5%</td>
<td>&lt;3.0%</td>
<td>$140.00</td>
</tr>
<tr>
<td>10-141</td>
<td>10ul</td>
<td>&lt;1.5%</td>
<td>&lt;1.0%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-142</td>
<td>20ul</td>
<td>&lt;1.8%</td>
<td>&lt;1.2%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-143</td>
<td>25ul</td>
<td>&lt;1.5%</td>
<td>&lt;0.5%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-144</td>
<td>50ul</td>
<td>&lt;1.0%</td>
<td>&lt;0.4%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-145</td>
<td>100ul</td>
<td>&lt;0.8%</td>
<td>&lt;0.3%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-146</td>
<td>200ul</td>
<td>&lt;0.7%</td>
<td>&lt;0.2%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-147</td>
<td>250ul</td>
<td>&lt;0.8%</td>
<td>&lt;0.3%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-148</td>
<td>500ul</td>
<td>&lt;0.7%</td>
<td>&lt;0.3%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-149</td>
<td>1000ul</td>
<td>&lt;0.6%</td>
<td>&lt;0.2%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-150</td>
<td>2000ul</td>
<td>&lt;0.9%</td>
<td>&lt;0.3%</td>
<td>140.00</td>
</tr>
<tr>
<td>10-151</td>
<td>5000ul</td>
<td>&lt;0.8%</td>
<td>&lt;0.2%</td>
<td>140.00</td>
</tr>
</tbody>
</table>

JENCONS VARIABLE VOLUME DIGITAL MULTI-CHANNEL PIPETTORS

The Sealpette multi-channel range features seven models covering the volume range 0.5ul -250ul in 4, 8 and 12 channel versions. The 0.5ul -10ul, 8 channel unit accepts microvolume crystal tips.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Channels</th>
<th>Vol Range</th>
<th>Increment</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-570</td>
<td>4</td>
<td>5-50Ml</td>
<td>0.5Ml</td>
<td>&lt;4.0-&lt;1.5%</td>
<td>&lt;3.0-&lt;0.6%</td>
<td>$410.00</td>
</tr>
<tr>
<td>10-571</td>
<td>4</td>
<td>50-250Ml</td>
<td>5.0Ml</td>
<td>&lt;1.5-&lt;1.0%</td>
<td>&lt;0.8-&lt;0.5%</td>
<td>410.00</td>
</tr>
<tr>
<td>10-572</td>
<td>8</td>
<td>0.5-10Ml</td>
<td>0.1Ml</td>
<td>&lt;5.0-&lt;1.8%</td>
<td>&lt;4.5-&lt;1.5%</td>
<td>510.00</td>
</tr>
<tr>
<td>10-573</td>
<td>8</td>
<td>5-50Ml</td>
<td>0.5Ml</td>
<td>&lt;4.0-&lt;1.5%</td>
<td>&lt;3.0-&lt;0.6%</td>
<td>510.00</td>
</tr>
<tr>
<td>10-574</td>
<td>8</td>
<td>50-250Ml</td>
<td>5.0Ml</td>
<td>&lt;1.5-&lt;1.0%</td>
<td>&lt;0.8-&lt;0.5%</td>
<td>510.00</td>
</tr>
<tr>
<td>10-575</td>
<td>12</td>
<td>5-50Ml</td>
<td>0.5Ml</td>
<td>&lt;4.0-&lt;1.5%</td>
<td>&lt;3.0-&lt;0.6%</td>
<td>610.00</td>
</tr>
<tr>
<td>10-576</td>
<td>12</td>
<td>50-250Ml</td>
<td>5.0Ml</td>
<td>&lt;1.5-&lt;1.0%</td>
<td>&lt;0.8-&lt;0.5%</td>
<td>610.00</td>
</tr>
</tbody>
</table>

Multi-channel Sealpettes have a unique staggered tip eject bar to ensure easy and safe tip ejection. The multi-channel head will swivel through 360° to allow the user to operate the pipettor comfortably in any position.
### JENCONS ELECTRONIC SINGLE CHANNEL PIPETTORS

Six single channel electronic programmable pipettors cover the range from 0.2ul to 5000ul. All models offer improved accuracy and precision over manual pipettors.

A charging stand is an essential part of the Electronic Sealpette pipettor and Jencons offers a choice of two styles, an individual charging stand and a four place charging carousel. Therefore an Electronic Sealpette can be purchased in one of two ways; complete with its charging stand or without its charging stand for when the pipettor is to be used with a 4 place charging carousel (ordered separately).

#### WITH CHARGING STAND

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Volume range</th>
<th>Increment</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-480</td>
<td>0.2 - 10ul</td>
<td>0.1ul</td>
<td>2ul / 5.0%</td>
<td>&lt;3.5%</td>
<td>$615.00</td>
</tr>
<tr>
<td>10-481</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>5ul / 3.0%</td>
<td>&lt;2.5%</td>
<td>$599.00</td>
</tr>
<tr>
<td>10-482</td>
<td>10-250ul</td>
<td>5ul</td>
<td>20ul / 4.0%</td>
<td>&lt;1.8%</td>
<td>$599.00</td>
</tr>
<tr>
<td>10-483</td>
<td>20 - 500ul</td>
<td>5ul</td>
<td>250ul / 0.6%</td>
<td>&lt;0.2%</td>
<td>$599.00</td>
</tr>
<tr>
<td>10-484</td>
<td>50-1000ul</td>
<td>10ul</td>
<td>500ul / 0.5%</td>
<td>&lt;0.2%</td>
<td>$599.00</td>
</tr>
<tr>
<td>10-485</td>
<td>100 - 5000ul</td>
<td>50ul</td>
<td>5000ul / 0.7%</td>
<td>&lt;0.3%</td>
<td>$615.00</td>
</tr>
</tbody>
</table>

#### ELECTRONIC SEALPETTES WITHOUT CHARGING STAND

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Volume range</th>
<th>Increment</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-490</td>
<td>0.2 - 10ul</td>
<td>0.1ul</td>
<td>2ul / 5.0%</td>
<td>&lt;3.5%</td>
<td>$590.00</td>
</tr>
<tr>
<td>10-491</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>5ul / 3.0%</td>
<td>&lt;2.5%</td>
<td>$574.00</td>
</tr>
<tr>
<td>10-492</td>
<td>10-250ul</td>
<td>5ul</td>
<td>20ul / 4.0%</td>
<td>&lt;1.8%</td>
<td>$574.00</td>
</tr>
<tr>
<td>10-493</td>
<td>20 - 500ul</td>
<td>5ul</td>
<td>250ul / 0.6%</td>
<td>&lt;0.2%</td>
<td>$574.00</td>
</tr>
<tr>
<td>10-494</td>
<td>50-1000ul</td>
<td>10ul</td>
<td>500ul / 0.5%</td>
<td>&lt;0.2%</td>
<td>$574.00</td>
</tr>
<tr>
<td>10-495</td>
<td>100 - 5000ul</td>
<td>50ul</td>
<td>5000ul / 0.7%</td>
<td>&lt;0.3%</td>
<td>$590.00</td>
</tr>
</tbody>
</table>

### JENCONS ELECTRONIC MULTI CHANNEL PIPETTORS

A range of seven multi-channel pipettors for accurate 4, 8 and 12 channel pipetting and dispensing.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>No. of Channels</th>
<th>Volume range</th>
<th>Increment</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-500</td>
<td>4</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>10Ml / 2.0%</td>
<td>&lt;2.0%</td>
<td>$815.00</td>
</tr>
<tr>
<td>10-501</td>
<td>4</td>
<td>25-250ul</td>
<td>5ul</td>
<td>250ul / 0.7%</td>
<td>&lt;0.2%</td>
<td>$815.00</td>
</tr>
<tr>
<td>10-502</td>
<td>8</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>10Ml / 2.0%</td>
<td>&lt;2.0%</td>
<td>$965.00</td>
</tr>
<tr>
<td>10-503</td>
<td>8</td>
<td>25-250ul</td>
<td>5ul</td>
<td>250ul / 0.7%</td>
<td>&lt;0.2%</td>
<td>$965.00</td>
</tr>
<tr>
<td>10-504</td>
<td>8</td>
<td>50-1200ul</td>
<td>10ul</td>
<td>1200Ml / 1.2%</td>
<td>&lt;0.3%</td>
<td>$1195.00</td>
</tr>
<tr>
<td>10-505</td>
<td>12</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>10Ml / 2.0%</td>
<td>&lt;2.0%</td>
<td>$1115.00</td>
</tr>
<tr>
<td>10-506</td>
<td>12</td>
<td>25-250ul</td>
<td>5ul</td>
<td>250Ml / 0.7%</td>
<td>&lt;0.2%</td>
<td>$1115.00</td>
</tr>
</tbody>
</table>

#### MULTI-CHANNEL ELECTRONIC SEALPETTES WITHOUT CHARGING STAND

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>No. of Channels</th>
<th>Volume range</th>
<th>Increment</th>
<th>Inaccuracy</th>
<th>Imprecision</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-510</td>
<td>4</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>100ul / 0.8%</td>
<td>&lt;0.3%</td>
<td>$790.00</td>
</tr>
<tr>
<td>10-511</td>
<td>4</td>
<td>25-250ul</td>
<td>5ul</td>
<td>250ul / 0.7%</td>
<td>&lt;0.2%</td>
<td>$790.00</td>
</tr>
<tr>
<td>10-512</td>
<td>8</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>100ul / 0.8%</td>
<td>&lt;0.3%</td>
<td>$940.00</td>
</tr>
<tr>
<td>10-513</td>
<td>8</td>
<td>25-250ul</td>
<td>5ul</td>
<td>250ul / 0.7%</td>
<td>&lt;0.2%</td>
<td>$940.00</td>
</tr>
<tr>
<td>10-514</td>
<td>8</td>
<td>50-1200ul</td>
<td>10ul</td>
<td>1200ul / 1.2%</td>
<td>&lt;0.3%</td>
<td>$1170.00</td>
</tr>
<tr>
<td>10-515</td>
<td>12</td>
<td>5 - 100ul</td>
<td>1ul</td>
<td>100ul / 0.8%</td>
<td>&lt;0.3%</td>
<td>$1090.00</td>
</tr>
<tr>
<td>10-516</td>
<td>12</td>
<td>25-250ul</td>
<td>5ul</td>
<td>250ul / 0.7%</td>
<td>&lt;0.2%</td>
<td>$1090.00</td>
</tr>
</tbody>
</table>
LIQUID HANDLING

JENCONS CHARGING STANDS

The Electronic Sealpette are powered by an environmentally friendly nickel hydride battery which requires a charging stand or carousel. The battery is automatically recharged while the instrument is on the anti-tip stand. Inductive charging technology eliminates clumsy connectors and ensures the instrument is always ready for use. Over 1000 pipettings are easily achieved between each recharging.

Jencons’ Sealpette Programme gives you two options for charging stands for your Electronic Sealpette pipettors. The Sealpette charging stand holds an individual Sealpette whereas the charging carousel can hold up to four single or multi-channel pipettors.

<table>
<thead>
<tr>
<th>Cat. No</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-470</td>
<td>Charging stand for 1 pipettor</td>
<td>$200.00</td>
</tr>
<tr>
<td>10-471</td>
<td>Sealpette Charging Carousel for 4 pipettors</td>
<td>$395.00</td>
</tr>
</tbody>
</table>

MICROPIPETTE WORK STATION

The newly designed Micropipette Work Station will accommodate 6 single channel micropipettes. Supplied unassembled, four elements can be quickly assembled into either a benchtop unit or, where bench space is unavailable, a wall-mounted unit. All mounting hardware is included.

The Micropipette Work Station is attractively constructed of anodized aluminum, polypropylene and stainless steel for durability and minimal care requirements.

<table>
<thead>
<tr>
<th>Cat. No</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-473</td>
<td>Micropipette Work Station</td>
<td>$135.46</td>
</tr>
</tbody>
</table>

ACRYLIC BENCH RACK

Designed for multi-channel and single volume pipettors. Holds six multi-channel or 18 single channel pipettors.

<table>
<thead>
<tr>
<th>Cat. No</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-474</td>
<td>Sealpette acrylic bench rack</td>
<td>$74.00</td>
</tr>
</tbody>
</table>

CAROUSEL PIPETTOR STANDS

Sealpette pipettor stands are available in heavy weight enamel or specially moulded white plastic. Designed to hold six single channel pipettors.

<table>
<thead>
<tr>
<th>Cat. No</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-475</td>
<td>Enamel carousel pipettor stand</td>
<td>$137.00</td>
</tr>
<tr>
<td>10-476</td>
<td>White plastic carousel stand</td>
<td>$76.00</td>
</tr>
</tbody>
</table>

ACRYLIC WALL RACK

Designed for multi-channel and single volume pipettors. Holds six multi-channel or 18 single channel pipettors. Complete with fixing screws.

<table>
<thead>
<tr>
<th>Cat. No</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-478</td>
<td>Sealpette acrylic wall rack</td>
<td>$44.00</td>
</tr>
</tbody>
</table>

*Does not accommodate positive displacement or 5 mL pipettes.
**PIPETTOR TIPS FOR JENCONS PIPETTORS**

**Jencons, SealTip, Pipettor Tips**

A comprehensive range of tips, both racked and loose is available in two grades; Superfine and Economy. The Superfine range is recommended for use with Jencons' Sealpettes to guarantee optimum precision and accuracy. All Sealpette quality assurance and calibration is performed only with Superfine tips.

The economy range represents an excellent value for money option at a lower price. Samples of all tips for evaluation are available - please call our Sales Department.

**Superfine Tips**
- Manufactured from premium grade virgin polypropylene
- Autoclavable
- Non-wettable material ensures optimum precision and accuracy
- Precision formed to eliminate any microscopic flash or irregularity
- Manufactured and packed in a dust-free environment to the highest quality standards

**Jencons’ Digital Sealpettes**

<table>
<thead>
<tr>
<th>Jencons’ Digital Sealpettes</th>
<th>Jencons’ Electronic Sealpettes</th>
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<tbody>
<tr>
<td>Cat. No.</td>
<td>Cat. No.</td>
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<tr>
<td>10-130 1 Channel Variable Micro Volume</td>
<td>10-480 1 Channel Electronic</td>
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<tr>
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<td>10-481 1 Channel Electronic 5-100ul</td>
</tr>
<tr>
<td>10-133 1 Channel Variable Volume 50-200ul</td>
<td>10-482 1 Channel Electronic 10-250ul</td>
</tr>
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<td>10-134 1 Channel Variable Volume 200-1000ul</td>
<td>10-483 1 Channel Electronic 20-500ul</td>
</tr>
<tr>
<td>10-135 1 Channel Variable Volume 1000-5000ul</td>
<td>10-484 1 Channel Electronic 50-1000ul</td>
</tr>
<tr>
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<td>10-485 1 Channel Electronic 500-1000ul</td>
</tr>
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<td>10-500 4 Channel Electronic 5-100ul</td>
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<td>10-501 4 Channel Electronic 25-250ul</td>
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<td>10-574 4 Channel Variable Volume 5-100ul</td>
<td>10-503 4 Channel Electronic 25-250ul</td>
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<tr>
<td>10-575 4 Channel Variable Volume 5-100ul</td>
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<td>10-505 4 Channel Electronic 25-250ul</td>
</tr>
<tr>
<td>10-577 4 Channel Variable Volume 5-100ul</td>
<td>10-506 4 Channel Electronic 25-250ul</td>
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<tr>
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<td>10-507 4 Channel Electronic 25-250ul</td>
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**Loose Tip Sealtip Selector**

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<tr>
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<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<tbody>
<tr>
<td>Name</td>
<td>Economy</td>
<td>Economy</td>
<td>Superfine</td>
<td>Superfine</td>
<td>Superfine</td>
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<tr>
<td>Color</td>
<td>Yellow</td>
<td>Blue</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
<td>White</td>
</tr>
<tr>
<td>Vol. range</td>
<td>0.5-20ml</td>
<td>20-200ml</td>
<td>1000-5000ml</td>
<td>0.5-20ml</td>
<td>20-200ml</td>
<td>1000-5000ml</td>
<td>0.5-20ml</td>
</tr>
<tr>
<td>Pack Size</td>
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<td>900</td>
<td>1000</td>
<td>1000</td>
<td>400</td>
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<td>Cat. No.</td>
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<td>10-552</td>
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<td>$68.80</td>
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**Racked Tip Sealtip Selector**

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<th>H</th>
<th>J</th>
<th>K</th>
<th>L</th>
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<tbody>
<tr>
<td>Superfine</td>
<td>Superfine</td>
<td>Superfine</td>
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<td>Micro</td>
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<td>White</td>
<td>White</td>
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<tr>
<td>Vol. range</td>
<td>0.5-10ml</td>
<td>0.5-25ml</td>
<td>200-1000ml</td>
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<tr>
<td>Pack Size</td>
<td>10x96</td>
<td>10x96</td>
<td>10x96</td>
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<tr>
<td>Cat. No.</td>
<td>10-560</td>
<td>10-561</td>
<td>10-562</td>
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<tr>
<td>Price</td>
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<td>$56.00</td>
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**FILTERSEAL SEALTIPS,**

Gamma Irradiated Sealtips, Range 5-1000ml

FilterSeal filter Sealtips feature a non self-sealing hydrophobic filter medium composed of ultra high density polyethylene. Traps aerosols and airborne contaminants from the pipettor’s airstream. Greatly reduces the potential of carryover and cross contamination between samples. Ideal for DNA/RNA work, clinical and radio-labelled samples. Each tip is packed in a certified cleanroom environment and tested to ensure sterility.

Filter tips can be used with most brands of pipettors up to 1000ml. Supplied in sensible matrix configurations for speedy, safe fitting to single channel or 4, 8 and 12 channel micropipettors.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>FilterSeal type</th>
<th>Range</th>
<th>Length</th>
<th>Pack</th>
<th>Price</th>
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<tbody>
<tr>
<td>10-580</td>
<td>Graduated</td>
<td>5-50ul</td>
<td>59mm</td>
<td>10 racks of 96</td>
<td>$244.00</td>
</tr>
<tr>
<td>10-581</td>
<td>GELSAVER*</td>
<td>5-50ul</td>
<td>69mm</td>
<td>5 racks of 204</td>
<td>288.80</td>
</tr>
<tr>
<td>10-582</td>
<td>Extra Long</td>
<td>5-50ul</td>
<td>91mm</td>
<td>8 racks of 204</td>
<td>487.70</td>
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<tr>
<td>10-583</td>
<td>Graduated</td>
<td>5-50ul</td>
<td>59mm</td>
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<td>10-584</td>
<td>Extra long</td>
<td>200-1000ul</td>
<td>88mm</td>
<td>10 racks of 100</td>
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<tr>
<td>10-585</td>
<td>Micro volume</td>
<td>0.5-10ul</td>
<td>46mm</td>
<td>10 racks of 96</td>
<td>245.70</td>
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# SLS-LUX Scientific Brand Pipet Tips

**Bulk Packed for Extra Savings**

<table>
<thead>
<tr>
<th>Pipettor</th>
<th>Manufacturer</th>
<th>Manufacturer No.</th>
<th>Size</th>
<th>Color</th>
<th>SLS-Lux No.</th>
<th>Case No.</th>
<th>Pack</th>
<th>Price</th>
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<tr>
<td>Beckman Biomek</td>
<td>372654</td>
<td>1-250mL</td>
<td>Natural</td>
<td>10-7500</td>
<td>1000</td>
<td>$18.00</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>609045</td>
<td>1-20mL</td>
<td>Natural</td>
<td>10-7504</td>
<td>1000</td>
<td>$18.00</td>
<td></td>
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<tr>
<td>Clay Adams Select Autopette</td>
<td>4696</td>
<td>1-1000mL</td>
<td>Natural</td>
<td>10-7590</td>
<td>500</td>
<td>$24.08</td>
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<tr>
<td>Eppendorf</td>
<td>22-35-156-7</td>
<td>0.5-10mL</td>
<td>Natural</td>
<td>10-7502</td>
<td>1000</td>
<td>$18.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(4700 Series)</td>
<td>22-35-130-3</td>
<td>1-100mL</td>
<td>Yellow</td>
<td>10-7507</td>
<td>1000</td>
<td>$18.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tip Ejector</td>
<td>22-35-090-1</td>
<td>101-1000mL</td>
<td>Blue</td>
<td>10-7512</td>
<td>1000</td>
<td>$18.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excaliber</td>
<td>22-35-156-7</td>
<td>0.5-10mL</td>
<td>Natural</td>
<td>10-7502</td>
<td>1000</td>
<td>$18.00</td>
<td></td>
<td></td>
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<tr>
<td>FIBrometer</td>
<td>70314</td>
<td>100-200mL</td>
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<td>10-7509</td>
<td>1000</td>
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<tr>
<td>Finnpipette</td>
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<td>Yellow</td>
<td>10-7507</td>
<td>1000</td>
<td>$18.00</td>
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<tr>
<td></td>
<td>FINNTIP CODE 60</td>
<td>1-250mL</td>
<td>Natural</td>
<td>10-7560</td>
<td>1000</td>
<td>$18.00</td>
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<tr>
<td></td>
<td>FINNTIP CODE 61</td>
<td>200-1000mL</td>
<td>Green</td>
<td>10-7535 (with adapter)</td>
<td>1000</td>
<td>$18.00</td>
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<td></td>
<td>FINNTIP CODE 62</td>
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<td>MLA</td>
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<td>10-7560</td>
<td>1000</td>
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<tr>
<td></td>
<td>4026-9026</td>
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<td>10-7565</td>
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<td>9048</td>
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<td>Stockwell Justor</td>
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<td></td>
<td>7512</td>
<td>200-1000mL</td>
<td>Blue</td>
<td>10-7512</td>
<td>1000</td>
<td>$18.00</td>
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<tr>
<td>Justpr 5000DG</td>
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<td>1-5mL</td>
<td>Natural</td>
<td>10-7580</td>
<td>250</td>
<td>$60.00</td>
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<tr>
<td>Oxford</td>
<td>810</td>
<td>1-200mL</td>
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<td>10-7525</td>
<td>1000</td>
<td>$18.00</td>
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<tr>
<td></td>
<td>811</td>
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<td>10-7530</td>
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<tr>
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<td>Green</td>
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<tr>
<td>Oxford Benchmate</td>
<td>910</td>
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<td>10-7509</td>
<td>1000</td>
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<tr>
<td>P-7000 (Slim-Line Series)</td>
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<td>10-7540</td>
<td>1000</td>
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<tr>
<td></td>
<td>911</td>
<td>201-1000mL</td>
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<td>10-7512</td>
<td>1000</td>
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<td>814, 809</td>
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<td>Natural</td>
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<td>Pipetman</td>
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<td>1000</td>
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<td>RC-20</td>
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<td>RC-200</td>
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<td>Beckman</td>
<td>651576</td>
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<td>10-7550</td>
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<td>Yellow</td>
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<td>10-7514</td>
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<tr>
<td>Volac</td>
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<td>Yellow</td>
<td>10-7507</td>
<td>1000</td>
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<tr>
<td></td>
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<td>$18.00</td>
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<td></td>
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<td></td>
<td>1-5mL</td>
<td>Natural</td>
<td>10-7580</td>
<td>250</td>
<td>$60.00</td>
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</table>
The 96 DEEP-WELL BIO-BLOCK™ Plate offers an entirely expanded capability for your multi-channel pipetting or automated pipetting system. The 2ml deep well affords the technician and scientist the opportunity to perform non-binding protein assays in the polypropylene BIO-BLOCK™ Plate. It is ideal for enzyme or receptor assays and will interface with most cell harvesters. The 2ml capacity allows for serial dilution procedures not available in the typical microtiter plate application mode. The BIO-BLOCK™ Plate can also be covered using specially molded polypropylene covers which separate each well via a sealing ring. This reduces cross contamination and allows for easy stacking of BIO-BLOCK™ Plates.

### Catalog Number Description Price
10-220 BIO-BLOCK™ Plate, polypropylene, non-sterile, 96-well footprint, case/24 $99.95
10-221 BIO-BLOCK™ Plate, polypropylene, sterile, 96-well footprint, case/24 $114.50
10-222 BIO-BLOCK™ Plate cover, polypropylene, case/24 $26.00
10-223 BIO-BLOCK™ Plate side loader collar, polypropylene, case/24 $37.95
10-224 BIO-BLOCK™ Plate cover, polypropylene, sterile, individually packed, case/24 $39.95

---

### Universal Graduated Pipet Tips

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<th>Case</th>
<th>Pack</th>
<th>Price</th>
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<tbody>
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<td>Natural 1-200ML</td>
<td>1000</td>
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<tr>
<td>10-191</td>
<td>Yellow 1-200ML</td>
<td>1000</td>
<td></td>
<td>18.00</td>
</tr>
<tr>
<td>10-192</td>
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<tr>
<td>10-193</td>
<td>Blue 100-1000ML</td>
<td>1000</td>
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<td>18.00</td>
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</tbody>
</table>

### Biomek Pipet Tips for Beckman’s Biomek Biorobotics System

These pipet tips and racks are specifically designed for use with Beckman’s Biomek 1000 and 2000 automated workstations. There are two sizes available, 1-200ML and 1-250ML. The tips are packed in three different configurations: bags of 1000, racked non-sterile.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Inner</th>
<th>Inner</th>
<th>Case</th>
<th>Case</th>
<th>Pack</th>
<th>Pack</th>
<th>Price</th>
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<tbody>
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<td>10-195</td>
<td>1-250ML</td>
<td>Bulk</td>
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<td>$18.00</td>
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<tr>
<td>10-196</td>
<td>1-250ML</td>
<td>96/Rack</td>
<td>1000</td>
<td>46.00</td>
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<tr>
<td>10-197</td>
<td>1-20ML</td>
<td>Bulk</td>
<td>1000</td>
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<td>96/Rack</td>
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<td>46.00</td>
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### Disposables Pipettes (PS)- Sterile

Crystal grade polystyrene is used for consistency in manufacture and maximum clarity, with easy to read crisp black printed graduations enabling the pipettes to be used accurately to +/-1%. Sterility is guaranteed by gamma radiation at a license holding irradiation plant, which follows the relevant recommendations in the DHSS Guide to Good Manufacturing Practice for Sterile Medical Devices and Surgical Products. Sterilin pipettes are tested for pyrogencity, and have a pyrogen level of less than 0.25 EU/mL.

<table>
<thead>
<tr>
<th>Cat No.</th>
<th>Description</th>
<th>Sterility</th>
<th>Overall Length mm</th>
<th>Suction Adapt. Diam. mm</th>
<th>Number per case</th>
<th>Price per case</th>
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Liquipette™ Transfer Pipets are a safe, reliable, convenient alternative to glass Pasteur pipets.

- Multiple uses in all types of laboratories:
  - May be heat sealed for sample storage
  - Convenient for transferring approximate volumes
  - Ideal for dispensing all types of buffers, reagents or other solutions
- Eliminates risk of injury or infection from broken glass.
- One piece, flexible, chemically inert, low density polyethylene construction.
- Controlled, reproducible drop size.
- Many sizes, styles and packaging choices including bulk and irradiated, individually wrapped, sterile options.
- Graduated for specific volumes or measurement.

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<th>Cat. No.</th>
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<th>Graduation</th>
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<th>Lgth. (mm)</th>
<th>Max. Stem Diameter (mm)</th>
<th>Drop Size (mL)</th>
<th>Drops per mL</th>
<th>Bulb Draw (mL)</th>
<th>Case Qty.</th>
<th>Price per Case</th>
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LIQUID HANDLING

**GEL-LOADING PIPET TIPS**

Available in 2 O.D. sizes, Gel-Saver® Pipet Tips can handle any gel thickness from protein-sized to sequencing gels. Constructed of 100% virgin polypropylene with a flash-free surface and an absence of mold-release agents Gel-Saver Pipet Tips allow for complete and uncompromised sample transfer every time.

Gel-Saver Pipet Tips with an O.D. of less than 0.25mm are appropriate for PAGE and sequencing gel electrophoresis and accommodate the Eppendorf® Ultra-Micro® and the Pipetman® P-20® pipettors. Tip capacity: 0.5-10ul.

Gel-Saver II Pipet Tips with an O.D. of less than 0.54mm are appropriate for protein and DNA/RNA gel electrophoresis and accommodate all common Eppendorf®, Pipetman® and Socorex® pipettors. Tip capacity 1-200ul.

10-100 Gel-Saver I Tips rack/204 $37.50
10-101 Gel-Saver II Tips bag/1M 36.00
10-102 Gel-Saver II Tips, Autoclavable cs/5 racks of 200 49.25

**MICROVOLUME PIPET TIPS: EXCELLENCE IN SMALL VOLUME DELIVERY**

Microvolume Tips provide precise 0.5-100ul volume delivery. Manufactured of natural color, metal- and dye-free, non-wettable virgin polypropylene without mold-release agents, Microvolume Tips feature a fine flash-free delivery orifice for completely reproducible, accurate sample delivery every time.

Available in two models, with three packaging configurations in each: the 10-105, 10-106 and -107 fit the Pipetman® P-10, Rainin® EDP-2 and EDP-PLUS, and are available in bulk bags of 1000 or 10 racks of 96 tips, sterile or non-sterile. The 10-108, 10-109, and -110-110 fit the Eppendorf® Ultra Micro Pipettor and Pipetman® P20 and are available in bulk bags of 1000 or 10 racks of 100 tips, sterile or non-sterile.

10-105 Microvolume Tips bag/1M $25.00
10-106 Microvolume Tips, racks cs/960 46.50
10-107 Microvolume Tips, racks-sterile cs/960 54.00
10-108 Microvolume Tips bag/1M 25.00
10-109 Microvolume Tips, racks cs/1M 46.50
10-110 Microvolume Tips, racks-sterile cs/1M 54.00

**ELIMINATE CELL DAMAGE AND TRAUMA DURING TRANSFER**

These cell saving Large Orifice Pipet Tips virtually eliminate shearing of DNA preparations and damage to viable cells during pipetting. Constructed of non-wettable virgin polypropylene, the innovative design employs an enlarged orifice to minimize the "transfer trauma" associated with pipetting viable samples in standard tips. The enlarged orifice facilitates the transfer of large cells, genomic DNA, viscous fluids and colloids without compromising accuracy. Available in two sizes: 1-250ul and 200-1000ul.

10-120 Lg Orifice Tips-Nonsterile 1-250ul 10 Racks/96 $37.00
10-121 Lg Orifice Tips-Sterile 1-250ul 10 Racks/96 $45.00
10-122 Lg Orifice Tips-Nonsterile 1-250ul Bg/1M $21.00
10-123 Lg Orifice Tips-Nonsterile 1-1000ul Bg/1M $28.00
10-124 Lg Orifice Tips-Nonsterile 1-1000ul 10 Racks/96 $46.75
10-125 Lg Orifice Tips-Sterile 1-1000ul 10 Racks/100 $53.75

**BECAUSE PIPETTOR ACCURACY IS CRUCIAL**

The Pipettor Accuracy Test Kit provides a fast, simple way of checking the precise milliliter volumes of your pipettors on a regular basis. The kit can be used with all air-displacement pipettors by Rainin®, Gilson®, Eppendorf®, Clinicon®, Brand®, Finn®, Sealpette and others.

The kit contains: 2 soft color-coded vinyl adapters-yellow for volumes up to 100ul and blue for 200 to 1000 Ml; 25 each of 5 sizes of glass capillaries and 2 glass pipettes for higher volumes. All capillaries are color-coded and have a calibration line accuracy of ±0.05mm. Comes with complete instructions for use.

10-520 Pipettor Accuracy Kit $38.70
10-521 Repl. Capillaries 10ul pk/250 38.70
10-522 Repl. Capillaries 20ul pk/250 38.70
10-523 Repl. Capillaries 50ul pk/250 38.70
10-524 Repl. Capillaries 100ul pk/250 38.70
10-525 Repl. Capillaries 200ul pk/250 38.70

**PREVENT SAMPLE CARRY-OVER AND CROSS CONTAMINATION**

Aerosol Sterile Filter Tips protect samples and pipettors. Each tip contains an inert filter material that traps airborne aerosols and residues generated during normal air displacement pipetting, effectively preventing potential contamination of the pipettor as well as reducing the risk of cross-contamination of valuable samples and providing assurance of discrete sample handling.

Designed for use with Pipetman®, Finnpipette®, and Titertek® pipettors, Aerosol Tips are available in four capacities, appropriate size depends on the pipettor used. All are constructed of metal-free clear polypropylene and are manufactured racked and sterilized (by gamma irradiation) in a clean room environment. Supplied in 10 hinged-lid racks of 96 tips, ready-to-use without any pistons and capillaries to assemble. Case of 960

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<td>Aerosol Tips, 0-20ul</td>
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<td>10-531</td>
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<td>10-533</td>
<td>Aerosol Tips, 101-1000ul</td>
<td>cs/960 $111.50</td>
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SAFE, ACCURATE AND EASY TO USE

The new, fully adjustable Safety Zippette is available in 5 sizes from 2.5 to 50ml and is designed with accuracy and safety in mind. It is fitted with a specially designed piston within the borosilicate syringe body which gives a superbly-smooth movement, eliminating operator fatigue. The new valve system eliminates valve bounce and priming “spit” making it safer to use, and unlike all other bottletop dispensers the sterilizable borosilicate amber glass reservoir can be refilled without removing the Zippette.

The Zippette has a polypropylene encased body, clear graduations and a new capacity adjustment system with an accuracy of ±0.7% and a repeatability of better than ±0.1%. The Zippette’s new value system allows smooth consistent operations, eliminating the risk of freezing, sticking to, or scratching the inside of the barrel. The three-way check valve is the heart of the automatic refill system: just place the filling in a reservoir, push the plunger to dispense and release to refill.

The Zippette is available in four capacities. Each unit has a micrometer-type screw thread adjustment to set volumes over the entire range. The self-locking plunger assures dispensing repeatability of ±0.5% (±1% for 30 ml). Extensions can be added to the filling line for greater reach.

**Minipet**: A unique, truly universal dispenser, combines a high level of chemical resistance with the convenience and safety of a self-filling syringe-type repetitive dispenser. All-glass and Teflon construction allows it to be used with virtually any solvent or acid (except HF). Supplied with all glass and Teflon valve, Teflon sinker on 18” Teflon filling line (3/32” i.d.).

**Max Pipettor**: 220 VAC: $379.95
Max Pipettor: 115 VAC: $349.95
Aqueous Minipet: Ideal for media and cell culture work. Easy to use, autoclavable and can be used with a luer lock manifold for multi-well plate work. Supplied with chrome-plated check valve, luer lock fitting, Buna-N seals, stainless steel spring, and luer lock cannula. 18” 1/8” i.d. silicone filling tube has a Teflon sinker.

**TEFLON MINIPET ORDERING INFORMATION**

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<td>10-296</td>
<td>4 ml/0.05 Mi</td>
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<td>10-297</td>
<td>10 ml/0.2 Mi</td>
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<td>30 ml/1.0 Mi</td>
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<td>10-299</td>
<td>1 ml/0.01 Mi</td>
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<td>10-301</td>
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**Aqueous Minipet Ordering Information**

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<td>10-302</td>
<td>30 ml/1.0 Mi</td>
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**NEW ZIPPETTE® BOTTLETOP DISPENSER**

**SAFE, ACCURATE AND EASY TO USE**

The new, fully adjustable Safety Zippette is available in 5 sizes from 2.5 to 50ml and is designed with accuracy and safety in mind. It is fitted with a specially designed piston within the borosilicate syringe body which gives a superbly-smooth movement, eliminating operator fatigue. The new valve system eliminates valve bounce and priming “spit” making it safer to use, and unlike all other bottletop dispensers the sterilizable borosilicate amber glass reservoir can be refilled without removing the Zippette.

The Zippette has a polypropylene encased body, clear graduations and a new capacity adjustment system with an accuracy of ±0.7% and a repeatability of better than ±0.1%. The Zippette’s new value system contained within the PVDF pedestal has a jet protection collar securely holding the PTFE delivery jet, allowing safe filling of hand held narrow neck containers. Volume adjustment knob to increase or decrease volume. Optional PVDF Volume Adaptors allow the Zippette to be fitted to any standard thread neck bottle or flask (sizes 33, 38, 40 or 45mm. Specify size when ordering).

10-310 0-2.5ml, 0.05Mi subdiv. $229.00 ea.
10-311 0-5.0ml, 0.1Mi subdiv. 229.00 ea.
10-312 0-10ml, 0.02Mi subdiv. 238.00 ea.
10-313 0-30ml, 1.0Mi subdiv. 289.00 ea.
10-314 0-50ml, 1.0Mi subdiv. 299.00 ea.
10-315 Reservoir, 2 neck, 1400ML 35.00 ea.
10-316 Reservoir, 2 neck, 2500ML 91.00 ea.
10-317 Threaded adaptor 5.40 ea.
Mopet Ordering Information

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<td>Mopet with wall charger 220 VAC</td>
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<td>10-322</td>
<td>Mopet with charger stand 115 VAC</td>
<td>396.55</td>
</tr>
<tr>
<td>10-323</td>
<td>Mopet with charger stand 220 VAC</td>
<td>396.55</td>
</tr>
<tr>
<td>10-324</td>
<td>Charger stand for Mopet 115 VAC</td>
<td>200.85</td>
</tr>
<tr>
<td>10-325</td>
<td>Charger stand for Mopet 220 VAC</td>
<td>200.85</td>
</tr>
<tr>
<td>10-326</td>
<td>Replacement filters</td>
<td>8.95</td>
</tr>
<tr>
<td>10-327</td>
<td>Sterile filters</td>
<td>13.95</td>
</tr>
</tbody>
</table>

Mono-Block™ 12 Well Reservoir

The 12-Well Reservoir offers the user the option of dispensing a full range of liquids into microtiter plates and deep well 96 chamber blocks. The Mono-Block™ 12-Well Reservoir is injection molded of virgin polypropylene. The lower foot print feature provides stability on the lab bench. All wells are designed with “V” bottoms to assist in recovering all unused liquids after pipetting tasks are concluded. Each well holds up to 5ml providing reserves for extended liquid handling activities. The unit measures 4.63” long x 1.50” wide x 1.80” high (118x38x46 high), and is autoclavable at 250°F (121°C). 8 packs per case.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-350</td>
<td>Bulk packaged, non sterile</td>
<td>$33.50</td>
</tr>
<tr>
<td>10-356</td>
<td>Individually packaged, radiation sterilized</td>
<td>41.95</td>
</tr>
</tbody>
</table>

Portapet combines the fine control and portability of the Mopet with the simplicity and lightness (1oz) of a low density polyethylene bellows. Its self-contained non-electric power source and compact design makes Portapet ideal for use in Tissue Culture or fume hoods, for pulling samples in the field or for pipetting anywhere in or out of the laboratory.

Just compress Portapet’s bellows to generate more than 100ml of total pipetting capacity. The unit is designed for use with any standard glass of plastic pipet from 0.5ml to 20ml (mouth o.d. from 3 mm to 9.9 mm), and has separate pushbuttons for sensitive control of pick-up, dispense, and blow-out. It can be used for TD or TC procedures.

A self-contained, replaceable hydrophobic filter keeps fluids from entering the unit and protects against biohazards, and Portapets pipet holder can be autoclaved.

By simply removing the bellows, the Portapet may be attached to a house vacuum line for unlimited pipetting power.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-330</td>
<td>Portapet</td>
<td>$124.95</td>
</tr>
<tr>
<td>10-331</td>
<td>Replacement filters</td>
<td>8.85</td>
</tr>
<tr>
<td>10-332</td>
<td>Sterile filters</td>
<td>13.95</td>
</tr>
</tbody>
</table>

Eppendorf Type pipettor, such as Brand®, Gilson®, Finn® and Socorex®. Approximately 4% of the tips in a case have reference marks for positive quality control. Available in two capacities: 2-200ul (yellow) and 101-1000ul (blue). Bulk pack only: case of 1000.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-160</td>
<td>Pipet Tips 2-200ul</td>
<td>cs/1M $13.00</td>
</tr>
<tr>
<td>10-161</td>
<td>Pipet Tips 101-1000ul</td>
<td>cs/1M $14.60</td>
</tr>
</tbody>
</table>
WHEATON FIXED VOLUME MICROPIPETTES
WITH TIP EJECTORS

• Separate push buttons for dispensing and tip ejection reduce dead volume and avoid accidental detipping
• Positive stops differentiate dispense movement from overshoot movement
• Color coded to ensure proper tip is used

Inherent Swiss precision is represented throughout the design of these attractive and comfortable-to-use instruments. Separate push buttons for dispensing and tip ejection can easily be manipulated with just the thumb. Total dead volume is decreased and accidental detipping is avoided. The narrow body of the micropipette affords easy access into narrow test tubes. Maximum accuracy is ensured through the calibrated plunger stroke and overshoot movement, which flush the tip empty. Positive stops differentiate the dispense movement from the overshoot movement. By featuring separate push buttons for volume delivery and tip ejection, the accuracy attained with Wheaton micropipettes surpasses that of common pipettes which combine the dispensing and tip ejection functions in one push button. Hand warming does not affect reproducibility, and air inlet and outlet design prevents cross contamination.

Each Wheaton micropipette has a color coded dispense button to ensure the proper tip is used.

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Capacity ul</th>
<th>Accuracy Error %</th>
<th>Reproducibility CV%</th>
<th>Tip Color Code</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-420</td>
<td>5</td>
<td>±1.0</td>
<td>±0.7</td>
<td>Natural</td>
<td>1</td>
<td>$165.36</td>
</tr>
<tr>
<td>10-421</td>
<td>10</td>
<td>±1.0</td>
<td>±0.5</td>
<td>Yellow</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-422</td>
<td>20</td>
<td>±1.0</td>
<td>±0.5</td>
<td>Yellow</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-423</td>
<td>25</td>
<td>±1.0</td>
<td>±0.5</td>
<td>Yellow</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-424</td>
<td>50</td>
<td>±1.0</td>
<td>±0.5</td>
<td>Yellow</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-425</td>
<td>100</td>
<td>±0.6</td>
<td>±0.3</td>
<td>Yellow</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-426</td>
<td>200</td>
<td>±0.6</td>
<td>±0.3</td>
<td>Blue</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-427</td>
<td>250</td>
<td>±0.6</td>
<td>±0.3</td>
<td>Blue</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-428</td>
<td>500</td>
<td>±0.5</td>
<td>±0.3</td>
<td>Blue</td>
<td>1</td>
<td>165.36</td>
</tr>
<tr>
<td>10-429</td>
<td>1000</td>
<td>±0.5</td>
<td>±0.2</td>
<td>Blue</td>
<td>1</td>
<td>165.36</td>
</tr>
</tbody>
</table>

WHEATON VARIABLE VOLUME MICROPIPETTES
WITH TIP EJECTORS

• Precision micrometer volume setting
• Reproducibility not affected by hand warming
• Maximum flexibility with no loss of accuracy

Variable volume micropipettes differ from fixed volume micropipettes (see above) in that the volumes are adjustable by rotating the Swiss precision micrometer and reading the volume on the circular vernier.

<table>
<thead>
<tr>
<th>Cat. #</th>
<th>Capacity ul Increments</th>
<th>Accuracy Error %</th>
<th>Reproducibility CV% (ul)</th>
<th>Tip Color Code</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-435</td>
<td>5-50 1</td>
<td>±1.0</td>
<td>±1.0</td>
<td>Yellow</td>
<td>1</td>
<td>$184.71</td>
</tr>
<tr>
<td>10-436</td>
<td>50-200 1</td>
<td>±1.0</td>
<td>±1.0</td>
<td>Yellow</td>
<td>1</td>
<td>184.71</td>
</tr>
<tr>
<td>10-437</td>
<td>200-1000 10</td>
<td>±1.0</td>
<td>±1.0</td>
<td>Blue</td>
<td>1</td>
<td>184.71</td>
</tr>
</tbody>
</table>

MICROPIPETTE TIPS WHEATON

Disposable virgin polypropylene tips for use with Wheaton micropipettes, both fixed and variable volume models. Precision made for excellent reproducibility and accuracy.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Tip Color</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-440</td>
<td>Polypropylene tips in plastic bag of 1000 pieces</td>
<td>Yellow</td>
<td>1000</td>
<td>$38.23</td>
</tr>
<tr>
<td>10-441</td>
<td>Polypropylene tips in convenient rack pack, 5 trays x200 tips per tray</td>
<td>Yellow</td>
<td>1000</td>
<td>61.33</td>
</tr>
<tr>
<td>10-442</td>
<td>Polypropylene tips in plastic bag of 1000 pieces</td>
<td>Blue</td>
<td>1000</td>
<td>38.23</td>
</tr>
<tr>
<td>10-443</td>
<td>Polypropylene tips in convenient rack pack, 5 trays x200 per tray</td>
<td>Blue</td>
<td>1000</td>
<td>73.92</td>
</tr>
</tbody>
</table>
WHEATON VARIABLE VOLUME MULTI-CHANNEL MICROPIPETTES

- Ideal for 96-well microassay plates
- Precision micrometer setting in 1 ul increments
- Simultaneous tip ejection

The multi-channel adjustable micropipette is ideally suited for use with standard 96-well microassay plates (9 mm spacing). The precision micrometer adjustment allows volume changes in increments of 1 ul. Hand warming is not a problem as the air chamber is located below the hand grip area. An overshoot movement flushes the tip empty and the micropipettes are equipped with a tip ejector which detaches all tips simultaneously. Each micropipette is individually calibrated and is supplied with a certificate of calibration.

<table>
<thead>
<tr>
<th>Capacity ul</th>
<th>Accuracy (Absolute Error %)</th>
<th>Reproducibility CV% ul</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-50</td>
<td>±2.0</td>
<td>±1.5 @ 5</td>
</tr>
<tr>
<td></td>
<td>±1.0</td>
<td>±1.0 @ 10</td>
</tr>
<tr>
<td></td>
<td>±0.8</td>
<td>±0.4 @ 50</td>
</tr>
<tr>
<td>50-200</td>
<td>±1.0</td>
<td>±0.4 @ 50</td>
</tr>
<tr>
<td></td>
<td>±0.8</td>
<td>±0.3 @ 100</td>
</tr>
<tr>
<td></td>
<td>±0.7</td>
<td>±0.3 @ 200</td>
</tr>
</tbody>
</table>

Catalog Number Description Pack Price
10-390 8 channel, 5-50 ul 1 $485.00
10-391 12 channel, 5-50 ul 1 558.00
10-392 8 channel, 50-200 ul 1 485.00
10-393 12 channel, 50-200 ul 1 558.00

Replacement Nozzles

<table>
<thead>
<tr>
<th>Catalog Number Description Pack Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-394 Nozzle 5-50 ul 1 $10.82</td>
</tr>
<tr>
<td>10-395 Nozzle, 50-200 ul 1 9.86</td>
</tr>
</tbody>
</table>

WHEATON CALIBRA® DIGITAL MULTI-CHANNEL MICROPIPETTES

- Exclusive solid CALIBRATION provides superior accuracy and reproducibility for multi-channel micropipetting
- Digital twin-cam volume selection eliminates setting deviation
- Original calibration guaranteed for two years

The superior accuracy and reproducibility provided by solid calibration is now available in the calibra multi-channel micropipette. These new multi-channel micropipettes offer reliable digital volume selection, integral tip ejector, and a full two-year warranty on parts and labor.

<table>
<thead>
<tr>
<th>Capacity MI</th>
<th>Accuracy (Absolute Error %)</th>
<th>Reproducibility CV% MI</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-100</td>
<td>±1.0</td>
<td>±1.0 @ 10</td>
</tr>
<tr>
<td></td>
<td>±0.8</td>
<td>±0.4 @ 50</td>
</tr>
<tr>
<td></td>
<td>±0.7</td>
<td>±0.4 @ 100</td>
</tr>
<tr>
<td>20-200</td>
<td>±0.9</td>
<td>±0.6 @ 20</td>
</tr>
<tr>
<td></td>
<td>±0.8</td>
<td>±0.4 @ 100</td>
</tr>
<tr>
<td></td>
<td>±0.7</td>
<td>±0.3 @ 200</td>
</tr>
</tbody>
</table>

Catalog Number Description Pack Price
10-400 4 channel, 10-100 MI 1 $480.00
10-401 8 channel, 10-100 MI 1 580.00
10-402 12 channel, 10-100 MI 1 667.00
10-403 4 channel, 20-200 MI 1 480.00
10-404 8 channel, 20-200 MI 1 580.00
10-405 12 channel, 20-200 MI 1 667.00

WHEATON AUTOCLAVABLE VARIABLE VOLUME MULTI-CHANNEL MICROPIPETTES

- Can withstand repeated sterilization at 121°C fully assembled
- Precision micrometer volume selection in 1 ul increments
- Ideal for use in sterile applications

The new Wheaton autoclavable multi-channel adjustable micropipette is designed to withstand repeated sterilizations at 121°C fully assembled. It provides the same precision delivery features as the laboratory-proven variable volume multi-channel micropipette and when autoclaved can be used in a sterile environment without contamination.

<table>
<thead>
<tr>
<th>Capacity ul</th>
<th>Accuracy (Absolute Error %)</th>
<th>Reproducibility CV% ul</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-50</td>
<td>±2.0</td>
<td>±1.5 @ 5</td>
</tr>
<tr>
<td></td>
<td>±1.0</td>
<td>±1.0 @ 10</td>
</tr>
<tr>
<td></td>
<td>±0.8</td>
<td>±0.4 @ 50</td>
</tr>
<tr>
<td>20-200</td>
<td>±1.0</td>
<td>±0.4 @ 50</td>
</tr>
<tr>
<td></td>
<td>±0.8</td>
<td>±0.3 @ 100</td>
</tr>
<tr>
<td></td>
<td>±0.7</td>
<td>±0.3 @ 200</td>
</tr>
</tbody>
</table>

Catalog Number Description Pack Price
10-410 4 channel, 5-50 ul 1 $499.66
10-411 4 channel, 50-200 ul 1 499.66
10-412 8 channel, 5-50 ul 1 616.51
10-413 12 channel, 5-50 ul 1 702.81
10-414 8 channel, 50-200 ul 1 616.51
10-415 12 channel, 50-200 ul 1 702.81
**PRECISION MICROPIPETTE TIPS WHEATON**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Tip Color</th>
<th>Tip Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-360</td>
<td>Short microtip, for use with 10-450 10-451, 100 tips per rack, 10 racks per case</td>
<td>Natural</td>
<td>1000</td>
<td>$ 62.50</td>
</tr>
<tr>
<td>10-361</td>
<td>Long microtip, for use with 10-450, 200 tips per rack, 4 racks per case</td>
<td>Natural</td>
<td>800</td>
<td>127.92</td>
</tr>
<tr>
<td>10-362</td>
<td>Long microtip with flat tip, for use with 10-450 for 0.2 mm sequencing gels, 200 tips per rack, 2 racks per case</td>
<td>Natural</td>
<td>192</td>
<td>84.57</td>
</tr>
<tr>
<td>10-363</td>
<td>Long microtip with flat tip, for use with 10-450 for 0.4 mm sequencing gels, 200 tips per rack, 4 racks per case</td>
<td>Natural</td>
<td>800</td>
<td>218.40</td>
</tr>
<tr>
<td>10-364</td>
<td>Polypropylene tips in plastic bag of 1000 pieces</td>
<td>Yellow</td>
<td>1000</td>
<td>38.23</td>
</tr>
<tr>
<td>10-365</td>
<td>Polypropylene tips in convenient rack pack, 5 trays x 200 tips per tray</td>
<td>Yellow</td>
<td>1000</td>
<td>61.33</td>
</tr>
<tr>
<td>10-366</td>
<td>Polypropylene tips in plastic bag of 1000 pieces</td>
<td>Blue</td>
<td>1000</td>
<td>38.23</td>
</tr>
<tr>
<td>10-367</td>
<td>Polypropylene tips in convenient rack pack, 5 trays x 200 tips per tray</td>
<td>Blue</td>
<td>1000</td>
<td>73.92</td>
</tr>
<tr>
<td>10-368</td>
<td>100 ul polypropylene tip with hydrophobic filter to prevent cross contamination, individually wrapped</td>
<td>1000</td>
<td>195.52</td>
<td></td>
</tr>
<tr>
<td>10-369</td>
<td>Same as 10-368 in convenient rack pack, 10 trays x 96 tips per tray</td>
<td>Natural</td>
<td>1000</td>
<td>153.92</td>
</tr>
<tr>
<td>10-370</td>
<td>1000-ul polypropylene tip with hydrophobic filter to prevent cross contamination, individually wrapped</td>
<td>Natural</td>
<td>1000</td>
<td>236.08</td>
</tr>
<tr>
<td>10-371</td>
<td>Same as 10-370 in convenient rack pack, 10 trays x 100 tips per tray</td>
<td>Natural</td>
<td>1000</td>
<td>168.08</td>
</tr>
</tbody>
</table>

**TIPS AND ACCESSORIES FOR WHEATON MULTI-CHANNEL MICROPIPETTES**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Tip Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-375</td>
<td>5-200 ul virgin polypropylene tip, natural, free from trace metals, 8x12 row rack configuration, autoclavable polypropylene box, 96 tips per rack, 10 racks per case</td>
<td>960</td>
<td>$ 65.97</td>
</tr>
<tr>
<td>10-376</td>
<td>Same as 10-375 except tips are sterile</td>
<td>960</td>
<td>73.54</td>
</tr>
<tr>
<td>10-377</td>
<td>5-200 ul virgin polypropylene tip, natural bulk packed 1000 per case</td>
<td>1000</td>
<td>37.48</td>
</tr>
<tr>
<td>10-378</td>
<td>Reagent reservoirs, 1-75 ml virgin polypropylene, allow maximum recovery of reagent being used, autoclavable</td>
<td>10</td>
<td>28.67</td>
</tr>
<tr>
<td>10-379</td>
<td>Same as 10-377 except tips are individually wrapped and sterile</td>
<td>10</td>
<td>44.97</td>
</tr>
<tr>
<td>10-380</td>
<td>100 ul polypropylene tip with hydrophobic filter to prevent cross contamination, individually wrapped</td>
<td>1000</td>
<td>236.08</td>
</tr>
<tr>
<td>10-381</td>
<td>Same as 10-380 in convenient rack pack, 10 trays x 96 tips per tray</td>
<td>960</td>
<td>168.48</td>
</tr>
<tr>
<td>10-382</td>
<td>1000 ul polypropylene tip with hydrophobic filter to prevent cross contamination, individually wrapped</td>
<td>1000</td>
<td>236.08</td>
</tr>
<tr>
<td>10-383</td>
<td>Same as 10-382 in convenient rack pack, 10 trays x 100 tips per tray</td>
<td>1000</td>
<td>168.48</td>
</tr>
</tbody>
</table>

**EJECTOR HEADS**

These new Ejector Heads allow the user to eject tips conveniently from Wheaton multi-channel pipettes. The Ejector Head offers easy attachment and removal.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Tip Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-385</td>
<td>8 channel head</td>
<td>1</td>
<td>$ 30.88</td>
</tr>
<tr>
<td>10-386</td>
<td>12 channel head</td>
<td>1</td>
<td>46.45</td>
</tr>
</tbody>
</table>

**MULTI-CHANNEL MICROPIPETTE WORK STATION**

The new Micropipette Work Station is convenient and easy to use. Constructed of durable plastic, the work station accommodates four Wheaton multi-channel micropipettes. Can be used as a benchtop unit or easily wall-mounted.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Tip Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-387</td>
<td>Multi-channel micropipette work station</td>
<td>1</td>
<td>$179.10</td>
</tr>
</tbody>
</table>
WHEATON CALIBRA® DIGITAL MICROPIPETTES

- Exclusive solid CALIBRAtion provides absolute accuracy and reproducibility
- Setting deviations eliminated
- Original calibration guaranteed for two years

When your work requires precise, highly reproducible pipetting for reagents, acids and serums, it is essential that the instrument you are using is reliable and accurate. The Wheaton Calibra meets this requirement by incorporating fixed factory-calibrated stops (solid calibration) for each volume increment.

Solid calibration is the most significant advance in micropipette design since the invention of the air interface. The unique, permanently calibrated series of fixed stops, each one corresponding to one volume setting, provides unsurpassed accuracy, speed and reliability. Setting deviations are eliminated and sample volumes as small as 0.4 ml can be reproducibly dispensed with a realistic CV.

A sleek design enables the slim shaft of the micropipette to fit in the narrowest vials; simple controls make it easy to handle. Dispensing is accomplished by a simple plunger stroke with a separate overshoot movement. All Wheaton Calibra micropipettes feature a cushioned thumb and finger rest for user comfort during prolonged pipetting operations.

The plunger assembly features a stainless steel and Teflon® construction for a high degree of chemical resistivity. The three smaller volume units feature nozzles precision machined from stainless steel which permits flaming of the nozzles in microbiologic applications.

This unique micropipette is also ideal for gel sequencing and other biotechnology uses.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (ul)</th>
<th>Increments (ul)</th>
<th>Accuracy Error %</th>
<th>Reproducibility CV% (ul)</th>
<th>Color Coded</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-450</td>
<td>0.4-2.0</td>
<td>0.1</td>
<td>±0.7</td>
<td>±0.5 @ 0.2</td>
<td>Natural</td>
<td>1</td>
<td>$231.40</td>
</tr>
<tr>
<td>10-451</td>
<td>1.0-10.95</td>
<td>0.05</td>
<td>±0.5</td>
<td>±0.2 @ 2</td>
<td>Natural</td>
<td>1</td>
<td>231.40</td>
</tr>
<tr>
<td>10-452</td>
<td>2.0-20.9</td>
<td>0.1</td>
<td>±0.5</td>
<td>±0.3 @ 1</td>
<td>Yellow</td>
<td>1</td>
<td>231.40</td>
</tr>
<tr>
<td>10-453</td>
<td>10-109.5</td>
<td>0.5</td>
<td>±0.5</td>
<td>±0.15 @ 10</td>
<td>Yellow</td>
<td>1</td>
<td>223.89</td>
</tr>
<tr>
<td>10-454</td>
<td>20-209</td>
<td>1.0</td>
<td>±0.5</td>
<td>±0.2 @ 100</td>
<td>Yellow</td>
<td>1</td>
<td>223.89</td>
</tr>
<tr>
<td>10-455</td>
<td>100-1095</td>
<td>5.0</td>
<td>±0.6</td>
<td>±0.2 @ 1000</td>
<td>Blue</td>
<td>1</td>
<td>223.89</td>
</tr>
</tbody>
</table>

WHEATON CALIBRA® DIGITAL MACROPIPETTES

The innovative Calibra macropipette offers the digital accuracy of solid calibration, and is ruggedly designed for years of trouble-free, dependable operation. As with all Calibra pipettes, solid calibration is achieved through a twin cam volume setting system which consists of permanently calibrated fixed stops, each one corresponding to a single volume setting.

This versatile macropipette is available in a 0.2 - 2.0 mL model which allows precise volume adjustment in 0.01 mL increments and a 1.0 - 10.0 mL model which allows volume adjustment in 1.0 mL increments. The 2.0 mL model includes an adapter for use with popular Pasteur pipettes, while both models can be used with autoclavable Wheaton polypropylene macropipette tips (listed below).

An integral tip ejection system allows fast and safe macro tip removal, for simple one-handed operation. The Calibra macropipette is ergonomically designed and features lightweight, compact construction for user comfort during long pipetting sessions. The plunger assembly features a short travel stroke and reduced spring tension, which further decreases user fatigue. In addition, the plunger is constructed of stainless steel and Viton® to provide a high degree of chemical resistivity and reliability.

Optional paper filters (listed below) may be used in conjunction with polypropylene macrotips to guard against the possibility of cross contamination. This feature is particularly useful when pipetting biological materials, and other contaminants.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (ml)</th>
<th>Increments (ml)</th>
<th>Accuracy Error %</th>
<th>Reproducibility CV% (ml)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-460</td>
<td>0.2-2.0</td>
<td>0.01</td>
<td>±0.7</td>
<td>±0.5 @ 0.2</td>
</tr>
<tr>
<td>10-461</td>
<td>1-10</td>
<td>0.1</td>
<td>±0.5</td>
<td>±0.2 @ 2</td>
</tr>
<tr>
<td>10-462</td>
<td>Filter, 2 mL</td>
<td>250</td>
<td>±0.5</td>
<td>±0.3 @ 1</td>
</tr>
<tr>
<td>10-463</td>
<td>Filter, 10 mL</td>
<td>100</td>
<td>±0.5</td>
<td>±0.15 @ 10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-460</td>
<td>Calibra macropipette, 0.2-2 mL</td>
<td>1</td>
<td>$238.06</td>
</tr>
<tr>
<td>10-461</td>
<td>Calibra macropipette, 1-10 mL</td>
<td>1</td>
<td>238.06</td>
</tr>
<tr>
<td>10-462</td>
<td>Filter, 2 mL</td>
<td>250</td>
<td>64.05</td>
</tr>
<tr>
<td>10-463</td>
<td>Filter, 10 mL</td>
<td>100</td>
<td>41.67</td>
</tr>
<tr>
<td>10-464</td>
<td>Macrotip, 2mL</td>
<td>500</td>
<td>64.57</td>
</tr>
<tr>
<td>10-465</td>
<td>Macrotip, 10mL</td>
<td>100</td>
<td>72.33</td>
</tr>
</tbody>
</table>
SILICONE SAFETY PIPET FILLERS WON’T LEAK OR CRACK

These Pipet Fillers provide safe, one-handed filling and dispensing without hand or mouth contact with liquid. The Fillers adjust to fit any size pipet, have a glass valve, and the silicone construction provides greater chemical resistance and resilience than rubber. Available in red and black for easy identification.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-250</td>
<td>Silicone Pipet Filler, Red ea.</td>
<td>$14.50</td>
</tr>
<tr>
<td>10-251</td>
<td>Silicone Pipet Filler, Black ea.</td>
<td>$14.50</td>
</tr>
</tbody>
</table>

REPEATABLE POSITIVE DISPLACEMENT PIPETTOR

Varipet® is the ideal pipettor for repetitive pipetting. It utilizes positive displacement, the most accurate method known for precision dispensing while offering safety and simplicity of operation.

Available in five different sizes, all units are completely adjustable up to their total capacity. Simply turn the knob to set the plunger to the volume required. Once set, the plunger will automatically return to the same setting, giving accurate, repetitive pipettings.

Teflon® plunger allows easy reading of the syringe barrel graduations and provides smooth self-lubricating, non-contaminating operation.

Varipet® is available in two models: with a molded Teflon tip or with a metal luer lock fitting supplied complete with removable cannula. Both units are autoclavable.

<table>
<thead>
<tr>
<th>Catalog Tip</th>
<th>Description</th>
<th>Sub</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-271</td>
<td>1Ml</td>
<td>O.01Ml</td>
<td>$107.15</td>
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<tr>
<td>10-272</td>
<td>4Ml</td>
<td>0.05Ml</td>
<td>94.80</td>
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<tr>
<td>10-273</td>
<td>10Ml</td>
<td>0.2Ml</td>
<td>90.65</td>
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<tr>
<td>10-274</td>
<td>30Ml</td>
<td>1.0Ml</td>
<td>169.95</td>
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</tbody>
</table>

ECONOMICAL PIPETTING FOR MICRO AND ULTRA-MICRO VOLUMES

Accropet® pipettors provide fast and accurate one-handed operation for micro and ultra-micro volumes. Accropets accommodate standard micro pipets or capillary tubes, offering the flexibility to meet filling and discharge needs safely and economically. Accropets eliminate the hazard and risk of contamination of mouth pipetting, at minimal expense.

Simply insert a pipet, rotate the knurled knob at the top with thumb and forefinger in a clockwise direction to pick-up fluid and counter-clockwise to dispense. O-ring construction assures positive, leak-proof action to maintain accuracy; and the fine threaded action guarantees accurate pipetting.

Accropet is made of durable polypropylene which can withstand temperatures of up to 250°F.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-285</td>
<td>Ultra-micro Accropet® for all pipets up to and including 200 ul. With rubber membrane pipet holder to accommodate all types of pipets.</td>
<td>$11.10</td>
</tr>
<tr>
<td>10-286</td>
<td>Micro Accropet® for all pipets up to 2Ml including red and white blood cell pipets. Adjustable chuck holds pipets firmly in place and allows for rapid changes.</td>
<td>16.20</td>
</tr>
</tbody>
</table>
PIPET TIPS ELKAY®

- Made from chemically resistant, virgin polypropylene
- Clean hydrophobic surfaces
- Dust and particle free
- Consistent volume
- Uniform orifice geometry
- Pass stringent fit and function tests with the most widely used pipets on the market
- Irradiation sterilized in accordance with AAMI Guidelines

THE FOLLOWING OPTIONS ARE AVAILABLE ON SELECTED PIPET TIPS

### Metal-Free Pipet Tips
Metal-Free Pipet Tips are made especially for trace metal analysis and other procedures that require metal-free consumables. They meet metal-free requirements as specified in the U.S. Pharmacopoeia Guidelines and are guaranteed in writing to ensure user satisfaction.

### Certified Pyrogen-Free Pipet Tips
Pyrogen-Free Tips are individually wrapped, sterile and endotoxin-free. Each lot is tested thoroughly and certified in writing to be pyrogen-free.

### Reference Pipet Tips
Reference Pipet Tips offer unique benefits: Reference lines which allow quick checks of pipetting procedures by indicating nominal liquid volume in the tip. Unique beveled orifices reduce liquid retention on the tips and ensure precise liquid delivery.

### Certified RNase/DNase/Pyrogen-Free
Tight control of a highly automated melting process, plus sterilization by irradiation, enable Elkay Ultima Pipet Tips to pass even the most stringent test for pyrogens, DNase and RNase contaminants. These precision certified tips are guaranteed in writing to be within research specifications.

### PIPET TIP PACKAGING OPTIONS

- **BULK** (non-Sterile) - Tips are supplied 1000/polybag. (250/polybag for 1-5mL Macro tips.)
- **CONVE-RACK™** (Non-Sterile) - Five racks, of 200 tips each, nested together. Includes one set of reusable cover and base.
- **INDIVIDUALLY WRAPPED** (Sterile) - In sealed, peel-apart packages, irradiated in accordance with AAMI Guidelines.
- **AUTOPACK™** (Sterile & Non-Sterile) - Five tip racks, each with cover and base, 200 tips/rack. (Four racks for 101-1000mL, 2 13/16” tips).
- **AUTOPACK™960** (Sterile & Non-Sterile) - Autoclavable, 96-position, 8x12 format tip rack on a solid, one-piece base. Hinged covers effectively protect tips from contamination.
- **AUTOPACK™1000** (Sterile & Non-Sterile) - Autoclavable, 100 position, 10x10 format tip rack for 101-1000mL tips, featuring a hinged cover and a solid one-piece base.

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**PROGARD™ FILTER PIPET TIPS ELKAY®**

ProGard™ Filter Tips reduce the risk of sample carry-over, cross-contamination and improper results caused by contaminated pipettors.

- Hydrophobic, inert filter material prevents aerosols from entering the tip cone of air displacement pipettors.
- Ideal for handling radio-labeled or infectious materials.
- Available in numerous volume ranges.
- All ProGard Pipet Tips are pre-sterilized and autoclavable. Hinged-cover racks are also autoclavable.
- All ProGard Pipet Tips (except the 200-1000mL version) are presented in an 8x12 format, 96 tips/rack, ideal for use with multichannel or single channel pipettors.
- The blue 200-1000mL version is in a 10 x 10 format, 100 tips/rack.

### ProGard Tip Selection Guide

<table>
<thead>
<tr>
<th>ProGard Tip</th>
<th>Cat. #</th>
<th>Volume</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>AA</td>
<td>10-200</td>
<td>0.2-8mL</td>
<td>Ultra Micro Mini</td>
<td>96/Rackx10</td>
<td>$72.00</td>
</tr>
<tr>
<td>AB</td>
<td>10-201</td>
<td>0.5-8mL</td>
<td>Ultra Micro Thin</td>
<td>96/Rackx10</td>
<td>72.00</td>
</tr>
<tr>
<td>AC</td>
<td>10-202</td>
<td>0.5-5mL</td>
<td>Reference 2&quot; (51mm)</td>
<td>96/Rackx10</td>
<td>89.00</td>
</tr>
<tr>
<td>AD</td>
<td>10-203</td>
<td>1-20mL</td>
<td>Reference 2&quot; (51mm)</td>
<td>96/Rackx10</td>
<td>89.00</td>
</tr>
<tr>
<td>AE</td>
<td>10-204</td>
<td>5-50mL</td>
<td>Reference 2&quot; (51mm)</td>
<td>96/Rackx10</td>
<td>89.00</td>
</tr>
<tr>
<td>AF</td>
<td>10-205</td>
<td>1-150mL</td>
<td>Reference 2&quot; (51mm)</td>
<td>96/Rackx10</td>
<td>89.00</td>
</tr>
<tr>
<td>AG</td>
<td>10-206</td>
<td>1-200mL</td>
<td>Reference 2&quot; (51mm)</td>
<td>96/Rackx10</td>
<td>89.00</td>
</tr>
<tr>
<td>AH</td>
<td>10-207</td>
<td>200-1000mL</td>
<td>Blue, 2-13/16&quot; (71mm)</td>
<td>100/Rackx10</td>
<td>95.00</td>
</tr>
<tr>
<td>AI</td>
<td>10-208</td>
<td>1-150mL</td>
<td>2-1/6&quot; Natural (52mm)</td>
<td>96/Rackx10</td>
<td>95.00</td>
</tr>
<tr>
<td>AJ</td>
<td>10-209</td>
<td>1-250mL</td>
<td>2-1/16&quot; Natural (52mm)</td>
<td>96/Rackx10</td>
<td>95.00</td>
</tr>
</tbody>
</table>
### Pipet Tip Selection Guide (p.1 of 2)

| PIPETTOR                  | SIZE        | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R |
|---------------------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Abbot®                    | 1-200uL     |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 600-1000uL  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Ames®                     | 5-100uL     |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Asistent®                 | 5-100uL     |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Beckman® BUN/GLU          | Universal   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Biohit Proline®           | 0.5-10uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 5-50uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 50-200uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 200-1000uL  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| electronic                | 200-1000    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Brand®                    | 5-100uL     |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Brand® Transferpette      | 200-1000uL  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Brinkman Transferpette    | 1001-5000uL |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 8-channel                 | 5-50uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Clay Adams Selectapette®  | 100-1000uL  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Costar Octapette®         | 100-1000uL  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 25uL fixed   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 100uL fixed  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Costar Onepette®          | 1-20uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 20-200uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 100-1000uL  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Eppendorf® Ultra-Micro    | 0.5-10uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Eppendorf®                | 20uL fixed   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 90uL fixed   |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 500uL fixed  |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 1000uL fixed |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Eppendorf® Reference      | 50-250uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 10-100uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Eppendorf®                | 5-200uL     |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Finnpipette®              | 0.5-10uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 5-40uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Finnpipette®              | 1000-5000uL |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Finnpipette® Techpette    | 5-40uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 40-200uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Finnpipette® 8-channel    | 50-300uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Finnpipette® 12-channel   | 5-50uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| Gilson/Rainin Pipetman®P10| 0.5-10uL    |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | 1-20uL      |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | P20         |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | P100        |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | P1000       |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|                           | P5000       |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
# Pipet Tip Selection Guide

## (p.2 of 2)

<table>
<thead>
<tr>
<th>PIPETTOR</th>
<th>SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>I</th>
<th>J</th>
<th>K</th>
<th>L</th>
<th>M</th>
<th>N</th>
<th>O</th>
<th>P</th>
<th>Q</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gilson/Rainin</td>
<td>EDP</td>
<td>100uL</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
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<td>Gilson/Rainin</td>
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<td>Helena Quickpette</td>
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<td>10-50uL</td>
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</tr>
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<td>MLA®</td>
<td>50-200uL</td>
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## Pipet Tip Ordering Data

### 2” (51mm) Universal Multifit Reference, Natural
Volume: 2-200µL. For use with Biohit/Proline, Costar, Eppendorf, Finnpipette, MLA, Oxford, Pipetman, Uniflex, Wheaton.

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<th>Case Price</th>
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### 1 1/5” (30mm) Ultra Micro Mini, Natural
Volume: 0.5-10µL. For use with Biohit/Proline, Oxford, Pipetman.

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<td>RES-UMIP-596</td>
<td>Autopack 960, Presterile</td>
<td>96/Rack x 10</td>
<td>38.00</td>
</tr>
</tbody>
</table>

### 1 4/5” (46 mm) Ultra Micro Thin, Natural
Volume: 0.5-10µL. For use with Eppendorf Ultra Micro and Oxford Precision Sampler.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RES-0CRS-01B</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$28.00</td>
</tr>
<tr>
<td>RES-0CRS-096</td>
<td>Autopack 960, Non-Sterile</td>
<td>96/Rack x 10</td>
<td>35.00</td>
</tr>
<tr>
<td>RES-0CRS-596</td>
<td>Autopack 960, Presterile</td>
<td>96/Rack x 10</td>
<td>38.00</td>
</tr>
</tbody>
</table>

### 1 3/4” (44mm) Natural
Volume: 2-200µL. For use with Abbott, Biohit/Proline, Helena, MLA, Oxford.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-01C</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$29.00</td>
</tr>
<tr>
<td>000-0000-014**</td>
<td>Conve-Rack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>$34.00</td>
</tr>
</tbody>
</table>

### 1 7/8” (48mm) Natural
Volume: 2-200µL. For use with Costar Octapette & Onepette, Finnpipette, MLA, Oxford, Titertek, Uniflex, Wheaton.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-02B</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$30.00</td>
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<tr>
<td>000-0000-020**</td>
<td>Conve-Rack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>36.00</td>
</tr>
<tr>
<td>000-AUTO-020</td>
<td>Autopack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>46.00</td>
</tr>
<tr>
<td>000-STERO-020</td>
<td>Autopack, Sterile</td>
<td>200/Rack x 5</td>
<td>50.00</td>
</tr>
<tr>
<td>000-0020-096</td>
<td>Autopack 960, Non-Sterile</td>
<td>96/Rack x 10</td>
<td>46.00</td>
</tr>
<tr>
<td>000-0020-596</td>
<td>Autopack 960, Presterile</td>
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<tr>
<td>000-0000-52B</td>
<td>Bulk, Metal Free</td>
<td>1000/Polybag</td>
<td>33.00</td>
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<tr>
<td>000-STERO-02B</td>
<td>Individual Wrap, Sterile</td>
<td>200 Tips</td>
<td>21.50</td>
</tr>
<tr>
<td>000-PYRO-02B</td>
<td>Individual Wrap, Pyrogen Free</td>
<td>200 Tips</td>
<td>28.00</td>
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** non-autoclavable
## Pipet Tip Ordering Data

### 2” (51mm) Lemon Reference
Volume: 2-200µL
For use with Biohit/Proline, Costar, Eppendorf, Finnpipette, MLA, Oxford, Pipetman, Uniflex, Wheaton.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
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<tbody>
<tr>
<td>000-PIPT01B</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$29.00</td>
</tr>
<tr>
<td>000-PIPT017**</td>
<td>Conve-Rack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>37.00</td>
</tr>
<tr>
<td>000-PIPTA0UT**</td>
<td>Autopack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>N/A</td>
</tr>
<tr>
<td>000-PIPT096</td>
<td>Autopack 960, Non-Sterile</td>
<td>96/Rack x 10</td>
<td>41.00</td>
</tr>
<tr>
<td>000-PTST96</td>
<td>Autopack 960, Presterile</td>
<td>96/Rack x 10</td>
<td>46.00</td>
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<tr>
<td>000-PIPTAM1B</td>
<td>Bulk, Metal Free</td>
<td>1000/Polybag</td>
<td>29.00</td>
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<td>000-PITSTR</td>
<td>Individual Wrap, Sterile</td>
<td>1000 Tips</td>
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<tr>
<td>000-PYR001B</td>
<td>Individual Wrap, Pyrogen Free</td>
<td>200 Tips</td>
<td>28.00</td>
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### 2” (51mm) Yellow
Volume: 2-200µL
For use with Biohit/Proline, Costar, Eppendorf, Finnpipette, MLA, Oxford, Pipetman, Uniflex, Volac, Wheaton.

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<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
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<tbody>
<tr>
<td>000-0000-01B</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$29.00</td>
</tr>
<tr>
<td>000-0000-017**</td>
<td>Conve-Rack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>37.00</td>
</tr>
<tr>
<td>000-0017-096</td>
<td>Autopack 960, Non-Sterile</td>
<td>96/Rack x 10</td>
<td>41.00</td>
</tr>
<tr>
<td>000-0017-506</td>
<td>Autopack 960, Presterile</td>
<td>96/Rack x 10</td>
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<td>000-STER01B</td>
<td>Individual Wrap, Sterile</td>
<td>1000 Tips</td>
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</table>

### 2-19/32” (66mm) Natural
Volume: 1-200µL
For use with Oxford Lancer, Sampler and Slimline.

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<th>Catalog No.</th>
<th>Description</th>
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<th>Case Price</th>
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</thead>
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<tr>
<td>000-0000-024</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$32.50</td>
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<tr>
<td>000-0000-A24**</td>
<td>Conve-Rack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>37.00</td>
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<tr>
<td>000-0000-24</td>
<td>Autopack, Sterile</td>
<td>200/Rack x 5</td>
<td>50.00</td>
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</tbody>
</table>

### 2-3/4” (70mm) Natural
Volume: 10-500µL
For use with Beckman, Oxford Lancer.

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<thead>
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<th>Catalog No.</th>
<th>Description</th>
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<th>Case Price</th>
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<tbody>
<tr>
<td>000-0000-019</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
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<td>000-BECK019</td>
<td>Box Pack</td>
<td>500/Box</td>
<td>$21.00</td>
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</tbody>
</table>

* not available
** non-autoclavable
## Pipet Tip Ordering Data

### 2-13/16” (71mm) Blue
**Volume:** 101-1000µL  
For use with Ames, Biohit/Proline, Brand, Costar, Eppendorf, Oxford, Pipetman, Uniflex, Wheaton.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
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<th>Case Price</th>
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</thead>
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<tr>
<td>000-0000-018</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$33.00</td>
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<tr>
<td>000-0000-A18**</td>
<td>Box, Non-Sterile</td>
<td>250/Box x 4</td>
<td>$41.00</td>
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<tr>
<td>000-AUTO-A18</td>
<td>Autopack, Non-Sterile</td>
<td>200/Rack x 4</td>
<td>$49.00</td>
</tr>
<tr>
<td>000-STER-A18</td>
<td>Autopack, Sterile</td>
<td>200/Rack x 4</td>
<td>$77.00</td>
</tr>
<tr>
<td>000-AUTI-A18</td>
<td>Autopack 1000, Non-Sterile</td>
<td>100/Rack x 10</td>
<td>$51.00</td>
</tr>
<tr>
<td>000-STEI-A18</td>
<td>Autopack 1000, Presterile</td>
<td>100/Rack x 10</td>
<td>$54.00</td>
</tr>
<tr>
<td>000-STERO-A18</td>
<td>Individual Wrap, Sterile</td>
<td>1000 Tips</td>
<td>$77.00</td>
</tr>
<tr>
<td>000-PYRO-18B</td>
<td>Individual Wrap, Pyrogen Free</td>
<td>200 Tips</td>
<td>$35.00</td>
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<tr>
<td>RES*STE-A18</td>
<td>Autopack 1000, Presterile, RNase-free</td>
<td>96/Rack x 10</td>
<td>$65.00</td>
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</tbody>
</table>

**non-autoclavable**

### 3” (76mm) Blue
**Volume:** 101-1000µL  
For use with Biohit/Proline, Gilson, Oxford.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-025</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$33.00</td>
</tr>
<tr>
<td>000-0000-A25</td>
<td>Box, Non-Sterile</td>
<td>250/Box x 4</td>
<td>$38.50</td>
</tr>
<tr>
<td>000-STER-025</td>
<td>Individual Wrap, Sterile</td>
<td>250 Tips</td>
<td>$36.00</td>
</tr>
</tbody>
</table>

### 3” (76mm) Green
**Volume:** 201-1000µL  
For use with Abbott, Biohit/Proline, Gilson, Helena, Oxford.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-016</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$34.00</td>
</tr>
</tbody>
</table>

### 3-3/8” (86mm) Natural
**Volume:** 101-1000µL  
For use with MLA.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-02A</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$36.00</td>
</tr>
<tr>
<td>000-0000-02B</td>
<td>Conve-Rack, Non-Sterile</td>
<td>200/Rack x 5</td>
<td>$46.00</td>
</tr>
<tr>
<td>000-STER-02A</td>
<td>Individual Wrap, Sterile</td>
<td>200 Tips</td>
<td>$21.50</td>
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<tr>
<td>000-PYRO-02A</td>
<td>Individual Wrap, PyrogenFree</td>
<td>200 Tips</td>
<td>$35.00</td>
</tr>
</tbody>
</table>
## Pipet Tip Ordering Data

### 4" (102mm) Natural
**Volume:** 100-1000µL  
*For use with Clay Adams Selectapette.*

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-023</td>
<td>Bulk, Non-Sterile</td>
<td>1000/Polybag</td>
<td>$39.00</td>
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<tr>
<td>000-0000-A22**</td>
<td>Conver-Rack, Non-Sterile</td>
<td>250/Rack x 4</td>
<td>48.50</td>
</tr>
</tbody>
</table>

### 4-1/2” (114mm) Natural
**Volume:** 1-5mL  
*For use with Brand, Finnpipette, Oxford, Pipetman, Volac.*

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>000-0000-026</td>
<td>Bulk, Non-Sterile</td>
<td>250/Polybag</td>
<td>$18.00</td>
</tr>
</tbody>
</table>

### 4-1/2” (114mm) Natural
**Volume:** 1-5mL  
*For use with Finnpipette, MLA, Pipetman.*

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000PIPT026</td>
<td>Bulk, Non-Sterile</td>
<td>250/Polybag</td>
<td>$18.00</td>
</tr>
</tbody>
</table>

### 3-3/10” (84mm) Flat Gel Loading, Natural
**Volume:** 1-200µL  
*For use with Biohit/Proline, Costar, Eppendorf, Finnpipette, MLA, Oxford, Pipetman, Uniflex, Wheaton.*

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESOGEL-F01</td>
<td>Flat-Rack 200, Non-Sterile</td>
<td>200/Rack x 2</td>
<td>$80.00</td>
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</tbody>
</table>

### 3-3/10” (84mm) Round Gel Loading, Natural
**Volume:** 1-200µL  
*For use with Biohit/Proline, Costar, Eppendorf, Finnpipette, MLA, Oxford, Pipetman, Uniflex, Wheaton.*

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Case Qty.</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>RESOGEL-R01</td>
<td>Round-Rack 200, Non-Sterile</td>
<td>200/Rack x 2</td>
<td>$40.00</td>
</tr>
</tbody>
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**non-autoclavable**
<table>
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<tr>
<th>PIPETTOR</th>
<th>SIZE</th>
<th>AA</th>
<th>AB</th>
<th>AC</th>
<th>AD</th>
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<th>AF</th>
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<td>Assistent®</td>
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<tr>
<td>Brand®</td>
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<td>Brand® Transferpette</td>
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<tr>
<td>Costar Onepette®</td>
<td>1-20uL, 20-200uL, 100-1000uL</td>
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<tr>
<td>800-2000uL</td>
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CHOOSE A FREE GIFT WITH

WITH ORDERS OF $199 OR MORE, YOUR CHOICE OF ONE OF THE FOLLOWING GIFTS...

- CLIP-ON BOOKLITE (CATALOG NO. JC38)
- JUMBO MAGNIFIER (CATALOG NO. JC910)
- IMPOSSIBLE PUZZLE FOUR CUBE (CATALOG NO. 5761)
- IZZI 2 (CATALOG NO. 5682)

WITH ORDERS OF $299 OR MORE, YOUR CHOICE OF ONE OF THE FOLLOWING GIFTS...

- MINI BOOM BOX (CATALOG NO. H2225)
- MICRO FM RADIO (CATALOG NO. FMR1)
- MINI ATTACHE CARD CASE (CATALOG NO. H6284)
- BLOCK BY BLOCK (CATALOG NO. 5930)

WITH ORDERS OF $399 OR MORE, YOUR CHOICE OF ONE OF THE FOLLOWING GIFTS...

- DATA BANK (CATALOG NO. DB-130)
- SQUIGGLE LIGHT (CATALOG NO. TC-607)
- TRAVEL OFFICE (CATALOG NO. TO721)
- VISUAL BRAINSTORMS (CATALOG NO. 6550)
WITH ORDERS OF $599 OR MORE, YOUR CHOICE OF ONE OF THE FOLLOWING GIFTS...

- WORLD TIME CLOCK CALCULATOR
- DUAL MESSAGE TALKING MEMO
- JUMBO LCD CLOCK RADIO
- RUSH HOUR TRAFFIC JAM PUZZLE

CATALOG NO. AC113
CATALOG NO. UT8812
CATALOG NO. 7087
CATALOG NO. 5000

WITH ORDERS OF $799 OR MORE, YOUR CHOICE OF ONE OF THE FOLLOWING GIFTS...

- MINI-VAC
- TOWER RADIO
- TRAVEL KIT
- DUAL TIME LCD CALENDAR

CATALOG NO. VAC-1
CATALOG NO. 7130
CATALOG NO. GS169A
CATALOG NO. 7131

**Mini-Vac**
- Miniature Boon Box style AM/FM radio with dual speakers puts out amazing sound. Fold down carrying handle and telescopic antenna. Uses 4 AA batteries (not incl.). 7 1/2” x 3” x 2 1/2” / 12 oz.

**Tower Radio**
- Handsome desktop clock radio has flare out speaker design for expansive sound. Digital alarm clock can be set to radio or buzzer. Uses 3 AA batteries (not incl.). 6 1/4” x 3” x 1 1/4” / 10 oz.

**Travel Kit**
- Portable stationery set has all the office tools for the mobile Executive in a zippered soft leather-look portfolio. Set includes scissors, stapler, staple remover, ruler, note pad, pen, Hi-lighter, eraser, measuring tape, paper clips and rubber bands. 8” x 6” x 1” / 12 oz.

**Dual Time LCD Calendar**
- Useful Digital Clock displays Month-at-a-Glance Calendar, Month/Date and Temperature. Just tilt the display and the screen lights up. Also features a Dual Time clock, Timer and Alarm with Snooze. Clock cover contains 2 button cells. 3 1/2” x 2 1/2” x 3/4” / 3 oz.
BOTTLES/JARS WITH POLYSTYRENE THREADED VIAL ASSEMBLED WITH FOAM LINED CAP

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity</th>
<th>Size</th>
<th>Case</th>
<th>Price</th>
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<td>13-122</td>
<td>3.5 dram</td>
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<td>13-126</td>
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<td>18.14</td>
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HIGH DENSITY POLYETHYLENE

WIDE MOUTH OBLONG ASSEMBLED WITH FOAM LINED CAPS

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WIDELY MOUTH SQUARE

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CLEAR POLYSTYRENE THREADED VIAL ASSEMBLED WITH FOAM LINED CAP

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<tr>
<td>13-160</td>
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<tr>
<td>13-161</td>
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### WIDE MOUTH STRAIGHT SIDED PLASTIC JARS.

WITH POLYETHYLENE FOAM LINED CAPS ATTACHED

#### POLYPROPYLENE JARS

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<tr>
<th>Catalog Number</th>
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<th>Screw Cap</th>
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<th>Price</th>
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<tbody>
<tr>
<td>13-167</td>
<td>30</td>
<td>1.66 x 1.6</td>
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<td>13-168</td>
<td>60</td>
<td>2.08 x 1.80</td>
<td>53/500</td>
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<td>13-169</td>
<td>120</td>
<td>2.24 x 2.68</td>
<td>58/400</td>
<td>24</td>
<td>8.80</td>
</tr>
<tr>
<td>13-170</td>
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<td>2.75 x 3.49</td>
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<tr>
<td>13-171</td>
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<td>3.54 x 3.85</td>
<td>89/400</td>
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WITHOUT CAPS

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#### POLYSTYRENE JARS

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<tbody>
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<td>13-207</td>
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<td>58/400</td>
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<td>13-208</td>
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WITHOUT CAPS

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<td>58/400</td>
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### HIGH DENSITY POLYETHYLENE

#### WIDE MOUTH ROUND PACKER TYPE

ASSEMBLED WITH FOAM LINED CAPS

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<th>Case</th>
<th>Price</th>
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WITHOUT CAPS

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<th>Price</th>
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<tbody>
<tr>
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### ROUND HIGH DENSITY POLYETHYLENE (HDPE) SAMPLE BOTTLE

With Vinylite Lined Screw Cap

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<td>1 gallon</td>
<td>38-400</td>
<td>4</td>
<td>$19.06</td>
</tr>
</tbody>
</table>

### SQUARE HIGH DENSITY POLYETHYLENE (HDPE) BOTTLE

With Vinylite Lined Cap

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size</th>
<th>Cross Sect x Hgt</th>
<th>Screw Cap</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-235</td>
<td>4000</td>
<td>135 x 295</td>
<td>38-400</td>
<td>4</td>
<td>$19.06</td>
</tr>
</tbody>
</table>

---

**SLS-LUX Scientific**
### Low Density Polyethylene Foamed Lined Caps

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Size</th>
<th>Pack</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-280</td>
<td>1 Gallon</td>
<td>38/400</td>
<td>1</td>
<td>24</td>
<td>$5.92</td>
</tr>
<tr>
<td>13-281</td>
<td>2.5 Gallon</td>
<td>38/400</td>
<td>1</td>
<td>24</td>
<td>9.76</td>
</tr>
<tr>
<td>13-282</td>
<td>5 Gallon</td>
<td>38/400</td>
<td>1</td>
<td>24</td>
<td>12.72</td>
</tr>
</tbody>
</table>

### High Density Polyethylene Narrow Mouth Boston Round

**Assembled with Foamed Lined Caps**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Size</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-240</td>
<td>30</td>
<td>18/410</td>
<td>24</td>
<td></td>
<td>$10.56</td>
</tr>
<tr>
<td>13-241</td>
<td>60</td>
<td>20/410</td>
<td>24</td>
<td></td>
<td>11.04</td>
</tr>
<tr>
<td>13-242</td>
<td>120</td>
<td>24/410</td>
<td>24</td>
<td></td>
<td>12.00</td>
</tr>
<tr>
<td>13-243</td>
<td>250</td>
<td>24/410</td>
<td>24</td>
<td></td>
<td>13.68</td>
</tr>
<tr>
<td>13-244</td>
<td>500</td>
<td>28/410</td>
<td>24</td>
<td></td>
<td>17.52</td>
</tr>
<tr>
<td>13-245</td>
<td>1000</td>
<td>28/410</td>
<td>12</td>
<td></td>
<td>11.04</td>
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### Low Density Polyethylene Without Caps

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Size</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-250</td>
<td>30</td>
<td>18/410</td>
<td>24</td>
<td></td>
<td>$8.64</td>
</tr>
<tr>
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<td>60</td>
<td>20/410</td>
<td>24</td>
<td></td>
<td>10.32</td>
</tr>
<tr>
<td>13-252</td>
<td>120</td>
<td>24/410</td>
<td>24</td>
<td></td>
<td>11.04</td>
</tr>
<tr>
<td>13-253</td>
<td>250</td>
<td>24/410</td>
<td>24</td>
<td></td>
<td>20.40</td>
</tr>
<tr>
<td>13-254</td>
<td>500</td>
<td>28/410</td>
<td>24</td>
<td></td>
<td>27.36</td>
</tr>
<tr>
<td>13-255</td>
<td>1000</td>
<td>28/410</td>
<td>12</td>
<td></td>
<td>23.04</td>
</tr>
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</table>

### High Density Polyethylene Without Caps

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Size</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-270</td>
<td>30</td>
<td>18/410</td>
<td>24</td>
<td></td>
<td>$9.60</td>
</tr>
<tr>
<td>13-271</td>
<td>60</td>
<td>20/410</td>
<td>24</td>
<td></td>
<td>10.32</td>
</tr>
<tr>
<td>13-272</td>
<td>120</td>
<td>24/410</td>
<td>24</td>
<td></td>
<td>11.04</td>
</tr>
<tr>
<td>13-273</td>
<td>250</td>
<td>24/410</td>
<td>24</td>
<td></td>
<td>12.72</td>
</tr>
<tr>
<td>13-274</td>
<td>500</td>
<td>28/410</td>
<td>24</td>
<td></td>
<td>16.56</td>
</tr>
<tr>
<td>13-275</td>
<td>1000</td>
<td>28/410</td>
<td>12</td>
<td></td>
<td>10.44</td>
</tr>
</tbody>
</table>

### Low Density Polyethylene Cubitainer®

**Assembled with Foamed Lined Caps**

Includes Heavy-Duty Shipping Box.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Size</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-300</td>
<td>2 oz</td>
<td>600</td>
<td>600</td>
<td></td>
<td>$64.80</td>
</tr>
<tr>
<td>13-301</td>
<td>3 oz</td>
<td>400</td>
<td>600</td>
<td></td>
<td>44.70</td>
</tr>
<tr>
<td>13-302</td>
<td>4 oz High Profile</td>
<td>250</td>
<td>500</td>
<td></td>
<td>51.95</td>
</tr>
<tr>
<td>13-303</td>
<td>5 oz Low Profile</td>
<td>175</td>
<td>500</td>
<td></td>
<td>55.70</td>
</tr>
<tr>
<td>13-304</td>
<td>10 oz High Profile</td>
<td>100</td>
<td>500</td>
<td></td>
<td>52.50</td>
</tr>
<tr>
<td>13-305</td>
<td>10 oz Low Profile</td>
<td>90</td>
<td>500</td>
<td></td>
<td>33.75</td>
</tr>
</tbody>
</table>

### Leak-Proof Sterile Containers

These containers have a patented flip top design that is integrally hinged providing an airtight, leak-proof seal. Containers are manufactured from polypropylene and are sterile by process. Autoclavable. Available with standard tops, custody tops and lock down tops.

#### Standard Top

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Quantity Per Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-285</td>
<td>2 oz</td>
<td>600</td>
<td></td>
<td>$64.80</td>
</tr>
<tr>
<td>13-286</td>
<td>2.5 oz</td>
<td>400</td>
<td></td>
<td>60.00</td>
</tr>
<tr>
<td>13-287</td>
<td>3 oz</td>
<td>400</td>
<td></td>
<td>44.70</td>
</tr>
<tr>
<td>13-288</td>
<td>4 oz High Profile</td>
<td>250</td>
<td></td>
<td>51.95</td>
</tr>
<tr>
<td>13-289</td>
<td>8 oz Low Profile</td>
<td>250</td>
<td></td>
<td>55.70</td>
</tr>
<tr>
<td>13-290</td>
<td>8 oz</td>
<td>150</td>
<td></td>
<td>45.58</td>
</tr>
<tr>
<td>13-291</td>
<td>9 oz</td>
<td>125</td>
<td></td>
<td>37.50</td>
</tr>
<tr>
<td>13-292</td>
<td>13 ml vial</td>
<td>500</td>
<td></td>
<td>74.63</td>
</tr>
<tr>
<td>13-293</td>
<td>11 ml vial</td>
<td>500</td>
<td></td>
<td>70.87</td>
</tr>
</tbody>
</table>

#### Custody Top

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Quantity Per Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-295</td>
<td>2 oz</td>
<td>600</td>
<td></td>
<td>$54.00</td>
</tr>
<tr>
<td>13-296</td>
<td>3 oz</td>
<td>400</td>
<td></td>
<td>44.70</td>
</tr>
<tr>
<td>13-297</td>
<td>4 oz High Profile</td>
<td>250</td>
<td></td>
<td>56.25</td>
</tr>
<tr>
<td>13-298</td>
<td>5 oz Low Profile</td>
<td>175</td>
<td></td>
<td>52.50</td>
</tr>
<tr>
<td>13-299</td>
<td>10 oz High Profile</td>
<td>100</td>
<td></td>
<td>37.50</td>
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<tr>
<td>13-300</td>
<td>10 oz Low Profile</td>
<td>90</td>
<td></td>
<td>33.75</td>
</tr>
</tbody>
</table>

#### Lock Down Tops

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity (oz/ml)</th>
<th>Quantity Per Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-305</td>
<td>2 oz</td>
<td>600</td>
<td></td>
<td>$64.80</td>
</tr>
<tr>
<td>13-306</td>
<td>4 oz High Profile</td>
<td>250</td>
<td></td>
<td>51.94</td>
</tr>
<tr>
<td>13-307</td>
<td>4 oz Low Profile</td>
<td>250</td>
<td></td>
<td>55.70</td>
</tr>
<tr>
<td>13-308</td>
<td>8 oz Low Profile</td>
<td>140</td>
<td></td>
<td>42.52</td>
</tr>
<tr>
<td>13-309</td>
<td>10 oz High Profile</td>
<td>100</td>
<td></td>
<td>37.50</td>
</tr>
<tr>
<td>13-310</td>
<td>13 ml vial</td>
<td>500</td>
<td></td>
<td>74.62</td>
</tr>
</tbody>
</table>
SAFETY COATED BOTTLES

Bottles are coated with an impact resistant thermoplastic. Safety coating provides a new, added level of safety and convenience. In the event the container breaks, the coating safety contains the contents long enough for proper disposal. The coating strength, slip resistance, and impact absorption dramatically reduced potential breakage and increases manual handling stability.

BOSTON ROUND BOTTLES CLEAR AND AMBER WITH CAPS ATTACHED

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Number</th>
<th>Capacity</th>
<th>Screw</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-315</td>
<td>13-315A</td>
<td>4</td>
<td>125</td>
<td>22-400</td>
<td>24</td>
<td>$35.84</td>
</tr>
<tr>
<td>13-316</td>
<td>13-316A</td>
<td>8</td>
<td>250</td>
<td>24-400</td>
<td>12</td>
<td>20.37</td>
</tr>
<tr>
<td>13-317</td>
<td>13-317A</td>
<td>16</td>
<td>500</td>
<td>28-400</td>
<td>12</td>
<td>23.90</td>
</tr>
<tr>
<td>13-318</td>
<td>13-318A</td>
<td>32</td>
<td>1000</td>
<td>33-400</td>
<td>12</td>
<td>37.24</td>
</tr>
<tr>
<td>13-319</td>
<td>13-319A</td>
<td>80</td>
<td>2360</td>
<td>38-439</td>
<td>6</td>
<td>37.24</td>
</tr>
<tr>
<td>13-320</td>
<td>13-320A</td>
<td>128</td>
<td>4000</td>
<td>38-439</td>
<td>4</td>
<td>45.08</td>
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</table>

WHITE POLYPROPYLENE CAP WITH POLYVINYL LINER

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Number</th>
<th>Capacity</th>
<th>Screw</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-325</td>
<td>13-325A</td>
<td>4</td>
<td>125</td>
<td>22-400</td>
<td>24</td>
<td>$35.12</td>
</tr>
<tr>
<td>13-326</td>
<td>13-326A</td>
<td>8</td>
<td>250</td>
<td>24-400</td>
<td>12</td>
<td>19.96</td>
</tr>
<tr>
<td>13-327</td>
<td>13-327A</td>
<td>16</td>
<td>500</td>
<td>28-400</td>
<td>12</td>
<td>23.42</td>
</tr>
<tr>
<td>13-328</td>
<td>13-328A</td>
<td>32</td>
<td>1000</td>
<td>33-400</td>
<td>12</td>
<td>36.50</td>
</tr>
<tr>
<td>13-329</td>
<td>13-329A</td>
<td>80</td>
<td>2360</td>
<td>38-439</td>
<td>6</td>
<td>36.50</td>
</tr>
<tr>
<td>13-330</td>
<td>13-330A</td>
<td>128</td>
<td>4000</td>
<td>38-439</td>
<td>4</td>
<td>44.18</td>
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</table>

WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Number</th>
<th>Capacity</th>
<th>Screw</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-335</td>
<td>13-335A</td>
<td>4</td>
<td>125</td>
<td>22-400</td>
<td>24</td>
<td>$37.73</td>
</tr>
<tr>
<td>13-336</td>
<td>13-336A</td>
<td>8</td>
<td>250</td>
<td>24-400</td>
<td>12</td>
<td>21.00</td>
</tr>
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<td>13-337</td>
<td>13-337A</td>
<td>16</td>
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<td>28-400</td>
<td>12</td>
<td>24.64</td>
</tr>
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<td>13-338</td>
<td>13-338A</td>
<td>32</td>
<td>1000</td>
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<td>38.40</td>
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<td>13-339</td>
<td>13-339A</td>
<td>80</td>
<td>2360</td>
<td>38-439</td>
<td>6</td>
<td>38.40</td>
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<td>13-340</td>
<td>13-340A</td>
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WHITE POLYPROPYLENE CAP WITH TEFŁON® LINER

<table>
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<th>Product Number</th>
<th>Capacity</th>
<th>Screw</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>13-345</td>
<td>13-345A</td>
<td>4</td>
<td>125</td>
<td>22-400</td>
<td>24</td>
<td>$35.12</td>
</tr>
<tr>
<td>13-346</td>
<td>13-346A</td>
<td>8</td>
<td>250</td>
<td>24-400</td>
<td>12</td>
<td>19.96</td>
</tr>
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<td>13-347</td>
<td>13-347A</td>
<td>16</td>
<td>500</td>
<td>28-400</td>
<td>12</td>
<td>23.42</td>
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<td>13-348</td>
<td>13-348A</td>
<td>32</td>
<td>1000</td>
<td>33-400</td>
<td>12</td>
<td>36.50</td>
</tr>
<tr>
<td>13-349</td>
<td>13-349A</td>
<td>80</td>
<td>2360</td>
<td>38-439</td>
<td>6</td>
<td>36.50</td>
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<tr>
<td>13-350</td>
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<td>128</td>
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<td>4</td>
<td>44.18</td>
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</table>

METAL FOIL LINED CAPS

<table>
<thead>
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<th>Product Number</th>
<th>Capacity</th>
<th>Screw</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
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<td>13-355A</td>
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<td>125</td>
<td>22-400</td>
<td>24</td>
<td>$33.36</td>
</tr>
<tr>
<td>13-356</td>
<td>13-356A</td>
<td>8</td>
<td>250</td>
<td>24-400</td>
<td>12</td>
<td>18.96</td>
</tr>
<tr>
<td>13-357</td>
<td>13-357A</td>
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<td>500</td>
<td>28-400</td>
<td>12</td>
<td>22.25</td>
</tr>
<tr>
<td>13-358</td>
<td>13-358A</td>
<td>32</td>
<td>1000</td>
<td>33-400</td>
<td>12</td>
<td>34.68</td>
</tr>
<tr>
<td>13-359</td>
<td>13-359A</td>
<td>80</td>
<td>2360</td>
<td>38-439</td>
<td>6</td>
<td>34.68</td>
</tr>
<tr>
<td>13-360</td>
<td>13-360A</td>
<td>128</td>
<td>4000</td>
<td>38-439</td>
<td>4</td>
<td>41.97</td>
</tr>
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</table>
### BOTTLES AND JARS

#### AMBER GLASS WIDE MOUTH PACKERS WITH CAPS ATTACHED

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Capacity</th>
<th>Dia &amp; Hgt</th>
<th>Screw</th>
<th>Case Pack</th>
<th>Case Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-365</td>
<td>1</td>
<td>30</td>
<td>37 x 65</td>
<td>28-400</td>
<td>24</td>
<td>$9.95</td>
</tr>
<tr>
<td>13-366</td>
<td>2</td>
<td>60</td>
<td>44 x 75</td>
<td>33-400</td>
<td>24</td>
<td>10.15</td>
</tr>
<tr>
<td>13-367</td>
<td>4</td>
<td>125</td>
<td>54 x 95</td>
<td>38-400</td>
<td>24</td>
<td>12.03</td>
</tr>
<tr>
<td>13-368</td>
<td>8</td>
<td>250</td>
<td>66 x 119</td>
<td>45-400</td>
<td>24</td>
<td>14.76</td>
</tr>
<tr>
<td>13-369</td>
<td>16</td>
<td>500</td>
<td>80 x 146</td>
<td>53-400</td>
<td>12</td>
<td>10.77</td>
</tr>
<tr>
<td>13-370</td>
<td>32</td>
<td>1000</td>
<td>99 x 178</td>
<td>53-400</td>
<td>12</td>
<td>14.00</td>
</tr>
</tbody>
</table>

#### WHITE POLYPROPYLENE CAP WITH POLY-VINYL LINER

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Capacity</th>
<th>Dia &amp; Hgt</th>
<th>Screw</th>
<th>Case Pack</th>
<th>Case Size</th>
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#### WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER

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<th>Capacity</th>
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#### WITHOUT CAPS

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#### CLEAR FRENCH SQUARE GLASS JARS WITH CAPS ATTACHED

#### WHITE POLYPROPYLENE CAP WITH POLY-VINYL LINER

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<th>Screw</th>
<th>Case Pack</th>
<th>Case Size</th>
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#### WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER

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<th>Case Size</th>
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#### WHITE POLYPROPYLENE CAP WITH TEFLO® LINER

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<th>Screw</th>
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# SAFETY COATED BOTTLES

## AMBER WIDE MOUTH PACKERS WITH CAPS ATTACHED

<table>
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<tr>
<th>Product Number</th>
<th>Capacity</th>
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<th>Case Pack</th>
<th>Price</th>
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<td>13-423</td>
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## WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER

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## WHITE POLYPROPYLENE CAP WITH TEFLO® LINER

<table>
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## WITHOUT CAPS

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# SAFETY COATED BOTTLES

## CLEAR WIDE MOUTH BOTTLES WITH CAPS ATTACHED

<table>
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<th>Capacity</th>
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<th>Case Pack</th>
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<tr>
<td>13-402</td>
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<td>70-400</td>
<td>12</td>
</tr>
<tr>
<td>13-403</td>
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## WHITE POLYPROPYLENE CAP WITH POLYVINYL LINER

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<tbody>
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<td>13-405</td>
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<td>13-406</td>
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## WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER

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<td>13-408</td>
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<td>13-409</td>
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## WHITE POLYPROPYLENE CAP WITH TEFLO® LINER

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<th>Case Pack</th>
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<td>13-411</td>
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<td>13-412</td>
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<td>70-400</td>
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## WITHOUT CAPS

<table>
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# SERUM BOTTLES

## CLEAR GLASS

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## AMBER GLASS

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### BOTTLES AND JARS

#### CLEAR STRAIGHT SIDED GLASS JARS WITH CAPS ATTACHED

<table>
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#### WHITE POLYPROPYLENE CAP WITH POLY-VINYL LINER

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<th>Case</th>
<th>Case</th>
<th>Price</th>
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#### WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER

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#### WHITE POLYPROPYLENE CAP WITH TEFLO® LINER

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<th>Price</th>
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#### WITHOUT CAPS

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</table>

### DROPPING BOTTLES

Delivers stains and indicator solutions drop by drop from a projecting drip tip on the side of the stopper. A partial turn of the ground glass stopper seals bottle.

#### CLEAR

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Size</th>
<th>Dia x Hgt</th>
<th>Shelf</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
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</thead>
<tbody>
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#### AMBER

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<th>Shelf</th>
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<th>Case</th>
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### BARNES DROPPING BOTTLE

The lower portion of the rubber bulb forms a tightly fitting stopper.

#### CLEAR

<table>
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<th>Catalog</th>
<th>Size</th>
<th>Cross Sect &amp; Hgt</th>
<th>Shelf</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
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<tbody>
<tr>
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### BULBS & PIPETTES

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<tr>
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<td>Bulb &amp; pipette</td>
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### BOTTLES AND JARS

**BOSTON ROUND BOTTLES CLEAR AND AMBER WITH CAPS ATTACHED**

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<th>Product Number</th>
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<td>mm</td>
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**WHITE POLYPROPYLENE CAP WITH POLYVINYL LINER**

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**WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER**

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**WHITE POLYPROPYLENE CAP WITH TEFLO® LINER**

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<th>Product Number</th>
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<th>Dia x Hgt</th>
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**WITHOUT CAPS**

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<td>12</td>
<td>11.28</td>
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</tbody>
</table>

### SQUARE BOTTLES, WIDE MOUTH, GRADUATED (HDPE)

**Leakproof**

**Space-Saving**

**Heavy Duty**

These unbreakable wide mouth square bottles are ideal for shipping and storing liquid and solid chemicals and pastes. Convenient square design saves space. Positive leakproof seal. Hole in closure for attachment of tag.

<table>
<thead>
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<th>Catalog Number</th>
<th>Cap. ml</th>
<th>Neck I.D. mm</th>
<th>Width mm</th>
<th>Ht. w/ closure mm</th>
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<th>Price per pkg.</th>
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### BOTTLES AND JARS

**CLEAR STANDARD WIDE MOUTH JARS WITH CAPS ATTACHED**

**WHITE POLYPROPYLENE CAP WITH POLY-VINYL LINER**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Capacity</th>
<th>Dia &amp; Hgt</th>
<th>Screw Cap</th>
<th>Case Size</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-690</td>
<td>4 oz</td>
<td>125 x 84</td>
<td>48-400</td>
<td>24</td>
<td>$8.44</td>
</tr>
<tr>
<td>13-691</td>
<td>8 oz</td>
<td>250 x 110</td>
<td>58-400</td>
<td>24</td>
<td>8.88</td>
</tr>
<tr>
<td>13-692</td>
<td>16 oz</td>
<td>500 x 133</td>
<td>63-400</td>
<td>12</td>
<td>8.16</td>
</tr>
<tr>
<td>13-693</td>
<td>32 oz</td>
<td>1000 x 179</td>
<td>70-400</td>
<td>12</td>
<td>11.65</td>
</tr>
<tr>
<td>13-694</td>
<td>65 oz</td>
<td>2000 x 213</td>
<td>83-400</td>
<td>6</td>
<td>14.30</td>
</tr>
<tr>
<td>13-695</td>
<td>130 oz</td>
<td>4000 x 256</td>
<td>89-400</td>
<td>4</td>
<td>19.95</td>
</tr>
</tbody>
</table>

**WHITE POLYPROPYLENE CAP WITH FOAMED POLYETHYLENE LINER**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Capacity</th>
<th>Dia &amp; Hgt</th>
<th>Screw Cap</th>
<th>Case Size</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-698</td>
<td>4 oz</td>
<td>125 x 84</td>
<td>48-400</td>
<td>24</td>
<td>$8.04</td>
</tr>
<tr>
<td>13-699</td>
<td>8 oz</td>
<td>250 x 110</td>
<td>58-400</td>
<td>24</td>
<td>8.46</td>
</tr>
<tr>
<td>13-700</td>
<td>16 oz</td>
<td>500 x 133</td>
<td>63-400</td>
<td>12</td>
<td>7.77</td>
</tr>
<tr>
<td>13-701</td>
<td>32 oz</td>
<td>1000 x 179</td>
<td>70-400</td>
<td>12</td>
<td>11.10</td>
</tr>
<tr>
<td>13-702</td>
<td>65 oz</td>
<td>2000 x 213</td>
<td>83-400</td>
<td>6</td>
<td>13.58</td>
</tr>
<tr>
<td>13-703</td>
<td>130 oz</td>
<td>4000 x 256</td>
<td>89-400</td>
<td>4</td>
<td>18.95</td>
</tr>
</tbody>
</table>

**WHITE POLYPROPYLENE CAP WITH TEFILON® LINER**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Capacity</th>
<th>Dia &amp; Hgt</th>
<th>Screw Cap</th>
<th>Case Size</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-705</td>
<td>4 oz</td>
<td>125 x 84</td>
<td>48-400</td>
<td>24</td>
<td>$8.86</td>
</tr>
<tr>
<td>13-706</td>
<td>8 oz</td>
<td>250 x 110</td>
<td>58-400</td>
<td>24</td>
<td>9.32</td>
</tr>
<tr>
<td>13-707</td>
<td>16 oz</td>
<td>500 x 133</td>
<td>63-400</td>
<td>12</td>
<td>8.56</td>
</tr>
<tr>
<td>13-708</td>
<td>32 oz</td>
<td>1000 x 179</td>
<td>70-400</td>
<td>12</td>
<td>12.23</td>
</tr>
<tr>
<td>13-709</td>
<td>65 oz</td>
<td>2000 x 213</td>
<td>83-400</td>
<td>6</td>
<td>15.06</td>
</tr>
<tr>
<td>13-710</td>
<td>130 oz</td>
<td>4000 x 256</td>
<td>89-400</td>
<td>4</td>
<td>21.00</td>
</tr>
</tbody>
</table>

**WITHOUT CAPS**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Capacity</th>
<th>Dia &amp; Hgt</th>
<th>Screw Cap</th>
<th>Case Size</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-712</td>
<td>4 oz</td>
<td>125 x 84</td>
<td>48-400</td>
<td>24</td>
<td>$7.66</td>
</tr>
<tr>
<td>13-713</td>
<td>8 oz</td>
<td>250 x 110</td>
<td>58-400</td>
<td>24</td>
<td>8.06</td>
</tr>
<tr>
<td>13-714</td>
<td>16 oz</td>
<td>500 x 133</td>
<td>63-400</td>
<td>12</td>
<td>7.40</td>
</tr>
<tr>
<td>13-715</td>
<td>32 oz</td>
<td>1000 x 179</td>
<td>70-400</td>
<td>12</td>
<td>10.58</td>
</tr>
<tr>
<td>13-716</td>
<td>65 oz</td>
<td>2000 x 213</td>
<td>83-400</td>
<td>6</td>
<td>12.90</td>
</tr>
<tr>
<td>13-717</td>
<td>130 oz</td>
<td>4000 x 256</td>
<td>89-400</td>
<td>4</td>
<td>18.00</td>
</tr>
</tbody>
</table>
BOTTLES AND JARS

MEDIA LAB BOTTLES WHEATON

Graduated bottles have a large opening, no-drip pour lip and sloping shoulders to facilitate pouring and cleaning. Bottles show approximate volume graduations, and have a large writing area.

CLEAR

Clear bottles are manufactured from borosilicate glass. Low alkali content helps to prevent changes in pH and maintain purity of contents.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity mL</th>
<th>Dia x Hgt mm (cap on)</th>
<th>Hgt mm (cap off)</th>
<th>Screw Cap Size</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITHOUT CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-656</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>$ 96.90</td>
</tr>
<tr>
<td>13-657</td>
<td>250</td>
<td>67 x 152</td>
<td>67 x 148</td>
<td>33-430</td>
<td>48</td>
<td>137.95</td>
</tr>
<tr>
<td>13-658</td>
<td>500</td>
<td>88 x 192</td>
<td>88 x 188</td>
<td>33-430</td>
<td>24</td>
<td>105.42</td>
</tr>
<tr>
<td>13-659</td>
<td>1000</td>
<td>103 x 235</td>
<td>103 x 231</td>
<td>38-430</td>
<td>24</td>
<td>134.00</td>
</tr>
<tr>
<td>WITH POLYETHYLENE LINED CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-670</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>$137.80</td>
</tr>
<tr>
<td>13-671</td>
<td>250</td>
<td>67 x 152</td>
<td>67 x 148</td>
<td>33-430</td>
<td>48</td>
<td>188.70</td>
</tr>
<tr>
<td>13-672</td>
<td>500</td>
<td>88 x 192</td>
<td>88 x 188</td>
<td>33-430</td>
<td>24</td>
<td>138.98</td>
</tr>
<tr>
<td>13-673</td>
<td>1000</td>
<td>103 x 235</td>
<td>103 x 231</td>
<td>38-430</td>
<td>24</td>
<td>170.76</td>
</tr>
<tr>
<td>WITH RUBBER LINED CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-675</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>$125.00</td>
</tr>
<tr>
<td>13-676</td>
<td>250</td>
<td>67 x 152</td>
<td>67 x 148</td>
<td>33-430</td>
<td>48</td>
<td>160.00</td>
</tr>
<tr>
<td>13-677</td>
<td>500</td>
<td>88 x 192</td>
<td>88 x 188</td>
<td>33-430</td>
<td>24</td>
<td>123.00</td>
</tr>
<tr>
<td>13-678</td>
<td>1000</td>
<td>103 x 235</td>
<td>103 x 231</td>
<td>38-430</td>
<td>24</td>
<td>153.00</td>
</tr>
<tr>
<td>WITH TEFLO® LINED CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-680</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>134.00</td>
</tr>
<tr>
<td>13-681</td>
<td>250</td>
<td>67 x 152</td>
<td>67 x 148</td>
<td>33-430</td>
<td>48</td>
<td>167.00</td>
</tr>
<tr>
<td>13-682</td>
<td>500</td>
<td>88 x 192</td>
<td>88 x 188</td>
<td>33-430</td>
<td>24</td>
<td>133.00</td>
</tr>
<tr>
<td>13-683</td>
<td>1000</td>
<td>103 x 235</td>
<td>103 x 231</td>
<td>38-430</td>
<td>24</td>
<td>164.00</td>
</tr>
</tbody>
</table>

AMBER MEDIA BOTTLES

Amber bottles are manufactured from Wheaton “500” borosilicate glass to protect light-sensitive samples. The amber bottle without cap is also available without graduations (see product listing below).

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity mL</th>
<th>Dia x Hgt mm (cap on)</th>
<th>Hgt mm (cap off)</th>
<th>Screw Cap Size</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITHOUT CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-656A</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>$264.03</td>
</tr>
<tr>
<td>WITH POLYETHYLENE LINED CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-670A</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>289.11</td>
</tr>
<tr>
<td>WITH RUBBER LINED CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-675A</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>285.80</td>
</tr>
<tr>
<td>WITH TEFLO® LINED CAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-680A</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>319.41</td>
</tr>
<tr>
<td>WITHOUT CAP, NO GRADUATIONS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13-684</td>
<td>125</td>
<td>55 x 123</td>
<td>55 x 119</td>
<td>33-430</td>
<td>48</td>
<td>183.04</td>
</tr>
</tbody>
</table>
LOW DENSITY POLYETHYLENE (LDPE) DROPPING BOTTLES

With Filtered & Extended Controlled Dropper Tips and Polypropylene Caps

Filter tips have a pore size of 20 to 30 microns. They are designed to be used to remove particulates when delivering liquids.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (ml)</th>
<th>Dia x Hgt (mm)</th>
<th>Screw Cap Size</th>
<th>Shelf Pack</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-625</td>
<td>1</td>
<td>12 x 25.5</td>
<td>8-425</td>
<td>12</td>
<td>144</td>
<td>$107.35</td>
</tr>
<tr>
<td>13-626</td>
<td>3</td>
<td>14 x 49</td>
<td>8-425</td>
<td>12</td>
<td>144</td>
<td>110.99</td>
</tr>
<tr>
<td>13-627</td>
<td>7</td>
<td>19 x 63</td>
<td>15-415</td>
<td>12</td>
<td>144</td>
<td>126.14</td>
</tr>
<tr>
<td>13-628</td>
<td>15</td>
<td>25 x 78</td>
<td>15-415</td>
<td>12</td>
<td>144</td>
<td>137.44</td>
</tr>
</tbody>
</table>

LOW DENSITY POLYETHYLENE (LDPE) DROPPING BOTTLES

With Streaming Tips & Polypropylene Caps

Dispenses a stream of liquid. Use when a controlled drop is not desired. Tip snaps into place and is easily removed for filling.

Not autoclavable.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (ml)</th>
<th>Dia x Hgt (mm)</th>
<th>Screw Cap Size</th>
<th>Shelf Pack</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-630</td>
<td>6</td>
<td>17 x 58</td>
<td>13-425</td>
<td>12</td>
<td>144</td>
<td>$95.64</td>
</tr>
<tr>
<td>13-631</td>
<td>7</td>
<td>19 x 63</td>
<td>15-415</td>
<td>12</td>
<td>144</td>
<td>96.61</td>
</tr>
<tr>
<td>13-632</td>
<td>15</td>
<td>25 x 78</td>
<td>15-415</td>
<td>12</td>
<td>144</td>
<td>104.33</td>
</tr>
<tr>
<td>13-633</td>
<td>30</td>
<td>32 x 85</td>
<td>20-410</td>
<td>12</td>
<td>144</td>
<td>115.82</td>
</tr>
<tr>
<td>13-634</td>
<td>60</td>
<td>39 x 101</td>
<td>20-410</td>
<td>12</td>
<td>144</td>
<td>123.93</td>
</tr>
<tr>
<td>13-635</td>
<td>125</td>
<td>47 x 125</td>
<td>20-410</td>
<td>12</td>
<td>144</td>
<td>106.58</td>
</tr>
</tbody>
</table>

DISPOSABLE SPECIMEN CONTAINERS

These lightweight containers with tight-fitting lids are designed to standardize the handling and storage of specimens, but can be used to store just about anything. Molded of high-density polyethylene, they are white opaque (to eliminate the sight of specimens), will resist freezing or boiling temperatures and have excellent chemical resistance. Low cost enough to be disposable, yet sturdy enough to reuse, these containers are available in a wide range of sizes to fit every need.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Specimen Container-4 oz.</th>
<th>cs/250</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-640</td>
<td>Specimen Container-4 oz.</td>
<td>$60.50</td>
<td></td>
</tr>
<tr>
<td>13-641</td>
<td>Specimen Container-8 oz.</td>
<td>$67.50</td>
<td></td>
</tr>
<tr>
<td>13-642</td>
<td>Specimen Container-16 oz.</td>
<td>$41.40</td>
<td></td>
</tr>
<tr>
<td>13-643</td>
<td>Specimen Container-32 oz.</td>
<td>$65.34</td>
<td></td>
</tr>
<tr>
<td>13-644</td>
<td>Specimen Container-64 oz.</td>
<td>$56.24</td>
<td></td>
</tr>
<tr>
<td>13-645</td>
<td>Specimen Container-165 oz.</td>
<td>$62.50</td>
<td></td>
</tr>
</tbody>
</table>

GRADUATED MEDIA BOTTLES (PET)

Available in 125 and 500 ml sizes the new PET Media bottle offers all the benefits of almost unbreakable, glass clear, non toxic PET at a highly competitive price. Specifically designed for the packaging or storage of biological solutions, media and sera, these new bottles are feature packed. Unique hexagonal shape means ease of handling, space saving and allows for rapid cooling when tray stacked. Suitable for deactivation at 55°C (131°F). Gamma irradiated for assured sterility, double bag stack packed. Leak tested to BS5213. Tamper evident closure ensures sterility.

<table>
<thead>
<tr>
<th>Cat. No. Number</th>
<th>Capacity</th>
<th>Closure Size</th>
<th>Size mm</th>
<th>No. per Case</th>
<th>Price per Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-650</td>
<td>125</td>
<td>38</td>
<td>20</td>
<td>$34.60</td>
<td></td>
</tr>
<tr>
<td>13-651</td>
<td>500</td>
<td>38</td>
<td>24</td>
<td>72.00</td>
<td></td>
</tr>
</tbody>
</table>
NARROW MOUTH WASH BOTTLES
COLOR-CODED, POLYETHYLENE
For quick, at-a-glance identification of contents, labs, or users, these low-density polyethylene wash bottles feature color-coded polypropylene cap and nozzle assemblies.

<table>
<thead>
<tr>
<th>Catalog no</th>
<th>RED</th>
<th>YELLOW</th>
<th>BLUE</th>
<th>GREEN</th>
<th>size code</th>
<th>capacity</th>
<th>cap</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-751R</td>
<td>13-751Y</td>
<td>13-751B</td>
<td>13-751G</td>
<td>0125</td>
<td>oz</td>
<td>ml</td>
<td>mm</td>
<td>Pack</td>
<td>Price</td>
<td></td>
</tr>
<tr>
<td>13-753R</td>
<td>13-753Y</td>
<td>13-753B</td>
<td>13-753G</td>
<td>0250</td>
<td>8</td>
<td>250</td>
<td>24</td>
<td>6</td>
<td>14.00</td>
<td></td>
</tr>
<tr>
<td>13-754R</td>
<td>13-754Y</td>
<td>13-754B</td>
<td>13-754G</td>
<td>0500</td>
<td>16</td>
<td>500</td>
<td>28</td>
<td>6</td>
<td>16.00</td>
<td></td>
</tr>
</tbody>
</table>

NATURAL

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Capacity</th>
<th>Cap</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-751</td>
<td>4 oz</td>
<td>125</td>
<td>24</td>
<td>12</td>
<td>$26.50</td>
</tr>
<tr>
<td>13-752</td>
<td>6 oz</td>
<td>180</td>
<td>24</td>
<td>12</td>
<td>43.50</td>
</tr>
<tr>
<td>13-753</td>
<td>8 oz</td>
<td>250</td>
<td>24</td>
<td>12</td>
<td>27.80</td>
</tr>
<tr>
<td>13-754</td>
<td>16 oz</td>
<td>500</td>
<td>28</td>
<td>12</td>
<td>31.20</td>
</tr>
<tr>
<td>13-755</td>
<td>32 oz</td>
<td>1000</td>
<td>24</td>
<td>12</td>
<td>37.45</td>
</tr>
</tbody>
</table>

WIDE MOUTH WASH BOTTLES
COLOR-CODED, POLYETHYLENE
These low-density polyethylene wash bottles have wide mouths for easy filling. The polypropylene cap and nozzle assemblies are color-coded for safety and easy identification. Bulk quantities available; please inquire.

<table>
<thead>
<tr>
<th>Catalog no</th>
<th>RED</th>
<th>YELLOW</th>
<th>BLUE</th>
<th>GREEN</th>
<th>size code</th>
<th>capacity</th>
<th>cap</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-760R</td>
<td>13-760Y</td>
<td>13-760B</td>
<td>13-760G</td>
<td>0125</td>
<td>oz</td>
<td>ml</td>
<td>Size</td>
</tr>
<tr>
<td>13-761R</td>
<td>13-761Y</td>
<td>13-761B</td>
<td>13-761G</td>
<td>0250</td>
<td>8</td>
<td>250</td>
<td>43</td>
</tr>
<tr>
<td>13-762R</td>
<td>13-762Y</td>
<td>13-762B</td>
<td>13-762G</td>
<td>0500</td>
<td>16</td>
<td>500</td>
<td>43</td>
</tr>
<tr>
<td>13-763R</td>
<td>13-763Y</td>
<td>13-763B</td>
<td>13-763G</td>
<td>1000</td>
<td>32</td>
<td>1000</td>
<td>53</td>
</tr>
</tbody>
</table>

NATURAL

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Capacity</th>
<th>Cap</th>
<th>Case</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-760</td>
<td>4 oz</td>
<td>125</td>
<td>38</td>
<td>12</td>
<td>$27.50</td>
</tr>
<tr>
<td>13-761</td>
<td>8 oz</td>
<td>250</td>
<td>43</td>
<td>12</td>
<td>28.15</td>
</tr>
<tr>
<td>13-762</td>
<td>16 oz</td>
<td>500</td>
<td>43</td>
<td>6</td>
<td>16.30</td>
</tr>
<tr>
<td>13-763</td>
<td>32 oz</td>
<td>1000</td>
<td>53</td>
<td>3</td>
<td>12.65</td>
</tr>
</tbody>
</table>

POLYSTYRENE CONTAINERS – STERILE
7 to 150ml capacity for all types of sample requirements. The 30ml size offers labeling options of unlabeled, printed, or plain. Available with plastic caps, the 30ml universal uniquely relies on flowed seal technology. Other sizes employ liners or crabs claw closures to facilitate sample containment. Specialized containers include: a 30ml container with a built in spoon for sampling of faeces or solids within industry. All containers are manufactured aseptically in state-of-the-art clean rooms, guaranteeing sterility.

<table>
<thead>
<tr>
<th>Prod. Code</th>
<th>Description</th>
<th>Volume ml</th>
<th>Material (Base/cap)</th>
<th>Height w/ cap mm</th>
<th>Cap Diam. mm</th>
<th>Number /case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-770</td>
<td>Plain label, plastic cap</td>
<td>60</td>
<td>PS/PE</td>
<td>61.1</td>
<td>44.6</td>
<td>300</td>
<td>$77.00</td>
</tr>
<tr>
<td>13-771</td>
<td>Universal, no label, flow seal cap</td>
<td>30</td>
<td>PS/PP</td>
<td>93.1</td>
<td>30.1</td>
<td>400</td>
<td>39.50</td>
</tr>
<tr>
<td>13-772</td>
<td>Universal, printed label, flow seal cap</td>
<td>30</td>
<td>PS/PP</td>
<td>93.1</td>
<td>30.1</td>
<td>400</td>
<td>41.20</td>
</tr>
<tr>
<td>13-773</td>
<td>Universal, plain label, flow seal cap</td>
<td>30</td>
<td>PS/PP</td>
<td>93.1</td>
<td>30.1</td>
<td>400</td>
<td>41.20</td>
</tr>
<tr>
<td>13-774</td>
<td>Universal, spoon, no label</td>
<td>30</td>
<td>PS/PE</td>
<td>93.1</td>
<td>30.1</td>
<td>400</td>
<td>70.00</td>
</tr>
<tr>
<td>13-775</td>
<td>Universal, spoon, plain label</td>
<td>30</td>
<td>PS/PE</td>
<td>93.1</td>
<td>30.1</td>
<td>400</td>
<td>72.00</td>
</tr>
<tr>
<td>13-776</td>
<td>Bijou, no label</td>
<td>7</td>
<td>PS/PE</td>
<td>50.2</td>
<td>22.5</td>
<td>700</td>
<td>66.20</td>
</tr>
<tr>
<td>13-777</td>
<td>Bijou, plain label</td>
<td>7</td>
<td>PS/PE</td>
<td>50.2</td>
<td>22.5</td>
<td>700</td>
<td>80.74</td>
</tr>
<tr>
<td>13-778</td>
<td>Plain label, flow seal cap</td>
<td>150</td>
<td>PS/ME</td>
<td>107.5</td>
<td>54.9</td>
<td>120</td>
<td>53.26</td>
</tr>
<tr>
<td>13-779</td>
<td>Plain label, plastic lined cap</td>
<td>100</td>
<td>PS/PE</td>
<td>76.4</td>
<td>50.5</td>
<td>200</td>
<td>67.00</td>
</tr>
</tbody>
</table>
NARROW MOUTH CYLINDER ROUND
ASSEMBLED WITH FOAM LINED CAPS

HIGH DENSITY POLYETHYLENE
Catalog Number | Capacity oz | Case Size mm | Pack | Case Price
--- | --- | --- | --- | ---
13-785 | 1 | 30 | 20/410 | 24 | $ 5.95
13-786 | 2 | 60 | 24/410 | 24 | 6.27
13-787 | 4 | 120 | 24/410 | 24 | 6.97
13-788 | 8 | 250 | 24/410 | 24 | 7.21
13-789 | 16 | 500 | 28/410 | 12 | 4.82
13-790 | 32 | 1000 | 28/410 | 12 | 5.46

(PVC) POLYVINYL CHLORIDE
Catalog Number | Capacity oz | Case Size mm | Pack | Case Price
--- | --- | --- | --- | ---
13-795 | 1 | 30 | 20/410 | 24 | $ 7.44
13-796 | 2 | 60 | 24/410 | 24 | 5.04
13-797 | 4 | 120 | 24/410 | 24 | 6.96
13-798 | 8 | 250 | 24/410 | 24 | 9.84
13-799 | 16 | 500 | 28/410 | 12 | 7.56
13-800 | 32 | 1000 | 28/410 | 12 | 12.00

HIGH DENSITY POLYETHYLENE WITHOUT CAPS
Catalog Number | Capacity oz | Case Size mm | Pack | Case Price
--- | --- | --- | --- | ---
13-805 | 1 | 30 | 20/410 | 24 | $ 5.65
13-806 | 2 | 60 | 24/410 | 24 | 5.95
13-807 | 4 | 120 | 24/410 | 24 | 6.62
13-808 | 8 | 250 | 24/410 | 24 | 6.84
13-809 | 16 | 500 | 28/410 | 12 | 4.62
13-810 | 32 | 1000 | 28/410 | 12 | 5.18

(PVC) POLYVINYL CHLORIDE WITHOUT CAPS
Catalog Number | Capacity oz | Case Size mm | Pack | Case Price
--- | --- | --- | --- | ---
13-815 | 1 | 30 | 20/410 | 24 | $ 6.72
13-816 | 2 | 60 | 24/410 | 24 | 4.82
13-817 | 4 | 120 | 24/410 | 24 | 6.00
13-818 | 8 | 250 | 24/410 | 24 | 6.64
13-819 | 16 | 500 | 28/410 | 12 | 6.72
13-820 | 32 | 1000 | 28/410 | 12 | 11.40

STERILE PETE SQUARE MEDIA BOTTLES
• Tested superior for pH stability, temperature durability, cloning efficiency and cytotoxicity
• No-drip pour lip allows cleaner, faster, easier pouring and eliminates exposure
• Permanent in-mold graduations provide easy, accurate volume determination at a glance
• Lighter for easier, more economical shipping and handling

New square media bottles offer the clarity of glass with the strength of plastic. Bottles have attached 33-430 polypropylene caps with foamed polyethylene liners.
Packed in convenient shrink-wrapped trays.

WHEATON STERILE POLYETHYLENE TEREPTHALATE (PET) MEDIA BOTTLE
PET Media Bottles eliminate the possibility of losing valuable cell culture media or biological products due to the accidental breakage of glass.
Each bottle is individually bagged and radiation sterilized.
Equipped with a white polypropylene foam polyethylene lined cap.
Compact size, no-drip pouring lip, easy-to-read graduations, and marking area are conveniences you will appreciate when handling these bottles.

POLYSTYRENE (PS) SPECIMEN JARS
With White Screw Caps
Extraordinarily clear polystyrene jars have attached white polypropylene screw caps. Perfect jar for a wide variety of lab samples and specimens. Caps have a large mat surface on top for labeling.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size mL</th>
<th>Dia &amp; Hgt mm</th>
<th>Screw Cap Size mm</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-835</td>
<td>60</td>
<td>49 x 49</td>
<td>53</td>
<td>12</td>
<td>$15.14</td>
</tr>
<tr>
<td>13-836</td>
<td>125</td>
<td>66 x 61</td>
<td>70</td>
<td>12</td>
<td>15.14</td>
</tr>
<tr>
<td>13-837</td>
<td>250</td>
<td>95 x 67</td>
<td>89</td>
<td>12</td>
<td>18.82</td>
</tr>
<tr>
<td>13-838</td>
<td>350</td>
<td>85 x 83</td>
<td>89</td>
<td>12</td>
<td>25.65</td>
</tr>
<tr>
<td>13-839</td>
<td>400</td>
<td>84 x 98</td>
<td>89</td>
<td>12</td>
<td>28.30</td>
</tr>
<tr>
<td>13-840</td>
<td>600</td>
<td>115 x 81</td>
<td>120</td>
<td>6</td>
<td>18.97</td>
</tr>
<tr>
<td>13-841</td>
<td>800</td>
<td>115 x 100</td>
<td>120</td>
<td>6</td>
<td>19.80</td>
</tr>
</tbody>
</table>
LABORATORY
GRADE PLASTIC
BOTTLES WITH
CAPS ATTACHED
WIDE MOUTH

LOW DENSITY POLYETHYLENE, NATURAL

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Dia &amp; Hgt mm</th>
<th>Screw Cap Size</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-845</td>
<td>30</td>
<td>33 x 69</td>
<td>28 - 410</td>
<td>72</td>
<td>$61.12</td>
</tr>
<tr>
<td>13-846</td>
<td>60</td>
<td>39 x 88</td>
<td>28 - 410</td>
<td>72</td>
<td>62.65</td>
</tr>
<tr>
<td>13-847</td>
<td>125</td>
<td>51 x 98</td>
<td>38 - 410</td>
<td>72</td>
<td>75.77</td>
</tr>
<tr>
<td>13-848</td>
<td>250</td>
<td>61 x 125</td>
<td>43 - 410</td>
<td>72</td>
<td>113.32</td>
</tr>
<tr>
<td>13-849</td>
<td>500</td>
<td>72 x 164</td>
<td>53 - 410</td>
<td>48</td>
<td>103.60</td>
</tr>
<tr>
<td>13-850</td>
<td>1000</td>
<td>90 x 209</td>
<td>65 - 410</td>
<td>24</td>
<td>79.60</td>
</tr>
<tr>
<td>13-851</td>
<td>2000</td>
<td>120 x 245</td>
<td>65 - 410</td>
<td>6</td>
<td>37.80</td>
</tr>
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</table>

HIGH DENSITY POLYETHYLENE, NATURAL

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Dia &amp; Hgt mm</th>
<th>Screw Cap Size</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-900</td>
<td>30</td>
<td>32 x 69</td>
<td>20 - 410</td>
<td>72</td>
<td>$65.73</td>
</tr>
<tr>
<td>13-901</td>
<td>60</td>
<td>34 x 84</td>
<td>20 - 410</td>
<td>72</td>
<td>68.79</td>
</tr>
<tr>
<td>13-902</td>
<td>125</td>
<td>50 x 101</td>
<td>24 - 410</td>
<td>72</td>
<td>84.15</td>
</tr>
<tr>
<td>13-903</td>
<td>250</td>
<td>61 x 129</td>
<td>24 - 410</td>
<td>72</td>
<td>114.25</td>
</tr>
<tr>
<td>13-904</td>
<td>500</td>
<td>72 x 171</td>
<td>28 - 410</td>
<td>48</td>
<td>112.41</td>
</tr>
<tr>
<td>13-905</td>
<td>1000</td>
<td>91 x 210</td>
<td>38 - 430</td>
<td>24</td>
<td>94.39</td>
</tr>
<tr>
<td>13-906</td>
<td>2000</td>
<td>120 x 235</td>
<td>38 - 410</td>
<td>6</td>
<td>41.40</td>
</tr>
</tbody>
</table>

HIGH DENSITY POLYETHYLENE, AMBER

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Dia &amp; Hgt mm</th>
<th>Screw Cap Size</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-910</td>
<td>30</td>
<td>32 x 69</td>
<td>20 - 410</td>
<td>72</td>
<td>$65.73</td>
</tr>
<tr>
<td>13-911</td>
<td>60</td>
<td>34 x 84</td>
<td>20 - 410</td>
<td>72</td>
<td>68.79</td>
</tr>
<tr>
<td>13-912</td>
<td>125</td>
<td>50 x 101</td>
<td>24 - 410</td>
<td>72</td>
<td>84.15</td>
</tr>
<tr>
<td>13-913</td>
<td>250</td>
<td>61 x 129</td>
<td>24 - 410</td>
<td>72</td>
<td>114.25</td>
</tr>
<tr>
<td>13-914</td>
<td>500</td>
<td>72 x 171</td>
<td>28 - 410</td>
<td>48</td>
<td>112.41</td>
</tr>
<tr>
<td>13-915</td>
<td>1000</td>
<td>91 x 210</td>
<td>38 - 430</td>
<td>24</td>
<td>94.39</td>
</tr>
<tr>
<td>13-916</td>
<td>2000</td>
<td>120 x 235</td>
<td>38 - 410</td>
<td>6</td>
<td>41.40</td>
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</table>

POLYPROPYLENE, NATURAL

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Dia &amp; Hgt mm</th>
<th>Screw Cap Size</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-920</td>
<td>30</td>
<td>32 x 69</td>
<td>20 - 410</td>
<td>72</td>
<td>$52.82</td>
</tr>
<tr>
<td>13-921</td>
<td>60</td>
<td>34 x 84</td>
<td>20 - 410</td>
<td>72</td>
<td>53.75</td>
</tr>
<tr>
<td>13-922</td>
<td>125</td>
<td>50 x 101</td>
<td>24 - 410</td>
<td>72</td>
<td>73.40</td>
</tr>
<tr>
<td>13-923</td>
<td>250</td>
<td>61 x 129</td>
<td>24 - 410</td>
<td>72</td>
<td>107.18</td>
</tr>
<tr>
<td>13-924</td>
<td>500</td>
<td>72 x 171</td>
<td>28 - 410</td>
<td>48</td>
<td>106.27</td>
</tr>
<tr>
<td>13-925</td>
<td>1000</td>
<td>91 x 202</td>
<td>28 - 410</td>
<td>24</td>
<td>74.37</td>
</tr>
<tr>
<td>13-926</td>
<td>2000</td>
<td>120 x 235</td>
<td>38 - 410</td>
<td>6</td>
<td>46.80</td>
</tr>
</tbody>
</table>
### SAMPLE VIALS
### 12X32MM

#### 8MM STANDARD OPENING SCREW THREAD VIALS

**8MM SCREW THREAD FINISH**

<table>
<thead>
<tr>
<th>Size ml</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Pack</th>
<th>Price</th>
<th>Marking Spot</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>8/425</td>
<td>100</td>
<td>12-100</td>
<td>100</td>
<td>$15.80</td>
<td>Clear</td>
</tr>
</tbody>
</table>

#### AMBER

<table>
<thead>
<tr>
<th>Size ml</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Pack</th>
<th>Price</th>
<th>Marking Spot</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>8/425</td>
<td>100</td>
<td>12-101</td>
<td>100</td>
<td>$16.40</td>
<td>Amber</td>
</tr>
</tbody>
</table>

#### CLOSURES

**Product Number**

<table>
<thead>
<tr>
<th>Description</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-100 8/425 Black Open Top Phenolic</td>
<td>100</td>
<td>$7.35</td>
</tr>
<tr>
<td>34-101 8/425 Black Open Top Polypropylene</td>
<td>100</td>
<td>$4.20</td>
</tr>
<tr>
<td>34-102 8/425 Black Large Hole Polypropylene</td>
<td>100</td>
<td>$4.20</td>
</tr>
<tr>
<td>34-102B 8/425 Blue Open Top Polypropylene</td>
<td>100</td>
<td>$5.25</td>
</tr>
<tr>
<td>34-102G 8/425 Green Open Top Polypropylene</td>
<td>100</td>
<td>$5.25</td>
</tr>
<tr>
<td>34-102R 8/425 Red Open Top Polypropylene</td>
<td>100</td>
<td>$5.25</td>
</tr>
<tr>
<td>34-102W 8/425 White Open Top Polypropylene</td>
<td>100</td>
<td>$5.25</td>
</tr>
<tr>
<td>34-102Y 8/425 Yellow Open Top Polypropylene</td>
<td>100</td>
<td>$5.25</td>
</tr>
<tr>
<td>34-103 8/425 Natural Top Seal Polypropylene</td>
<td>100</td>
<td>$7.35</td>
</tr>
</tbody>
</table>

#### SEPTA FOR OPEN TOP CLOSURES

**Product Number**

<table>
<thead>
<tr>
<th>Description</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>38-100 8mm Teflon® with Slit</td>
<td>100</td>
<td>$9.75</td>
</tr>
<tr>
<td>38-101 8mm Teflon®</td>
<td>100</td>
<td>$5.25</td>
</tr>
<tr>
<td>38-102 8mm Teflon®/Silicone</td>
<td>100</td>
<td>$13.00</td>
</tr>
<tr>
<td>38-103 8mm Teflon®/Silicone with Slit</td>
<td>100</td>
<td>$26.50</td>
</tr>
<tr>
<td>38-104 8mm Teflon®/Butyl Rubber</td>
<td>100</td>
<td>$9.45</td>
</tr>
<tr>
<td>38-105 8mm Teflon®/Silicone/Teflon®</td>
<td>100</td>
<td>$15.25</td>
</tr>
<tr>
<td>38-106 8mm Black Viton®</td>
<td>100</td>
<td>$22.00</td>
</tr>
</tbody>
</table>
## SAMPLE VIALS 12X32MM

### 10MM LARGE OPENING SCREW THREAD VIALS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-105</td>
<td>2.0</td>
<td>12 x 32</td>
<td>CLEAR</td>
<td>10/425</td>
<td>100 $15.80</td>
</tr>
<tr>
<td>12-105M</td>
<td>2.0</td>
<td>12 x 32</td>
<td>AMBER</td>
<td>12-105M</td>
<td>100 $16.40</td>
</tr>
</tbody>
</table>

### SEPTA FOR OPEN TOP CLOSURES

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>38-110</td>
<td>10mm Teflon</td>
<td>100</td>
<td>$5.75</td>
</tr>
<tr>
<td>38-110B</td>
<td>10mm Teflon/Silicone</td>
<td>100</td>
<td>15.30</td>
</tr>
<tr>
<td>38-110G</td>
<td>10mm Teflon/Buty Rubber</td>
<td>100</td>
<td>21.00</td>
</tr>
<tr>
<td>38-111</td>
<td>10mm Teflon/Silicone/Teflon</td>
<td>100</td>
<td>27.00</td>
</tr>
</tbody>
</table>

### CLOSURES

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Case</th>
<th>Price</th>
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<tbody>
<tr>
<td>34-110</td>
<td>10/425 Black Open Top Polypropylene</td>
<td>100</td>
<td>$5.20</td>
</tr>
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<td>34-111</td>
<td>10/425 Blue Open Top Polypropylene</td>
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<td>$5.25</td>
</tr>
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<td>34-112</td>
<td>10/425 Green Open Top Polypropylene</td>
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<td>$5.25</td>
</tr>
<tr>
<td>34-113</td>
<td>10/425 Red Open Top Polypropylene</td>
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<td>$5.25</td>
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<tr>
<td>34-110W</td>
<td>10/425 White Open Top Polypropylene</td>
<td>100</td>
<td>8.35</td>
</tr>
<tr>
<td>34-110Y</td>
<td>10/425 Yellow Open Top Polypropylene</td>
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<td>8.35</td>
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<tr>
<td>34-111</td>
<td>10/425 Natural Top Seal Polypropylene</td>
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### SAMPLE VIALS
**15X45MM**

#### 13MM SCREW THREAD FINISH

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Size (ml)</th>
<th>Vial Size (13/425 Screw Thread)</th>
<th>Case Pack</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>12-110</td>
<td>4.0</td>
<td>15 x 45</td>
<td>100</td>
<td>$15.80</td>
</tr>
<tr>
<td>12-111</td>
<td>4.0</td>
<td>15 x 45</td>
<td>100</td>
<td>$17.80</td>
</tr>
</tbody>
</table>

#### SEPTA FOR OPEN TOP CLOSURES

<table>
<thead>
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<th>Product Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>38-120</td>
<td>13mm Teflon®</td>
<td>100</td>
<td>$5.95</td>
</tr>
<tr>
<td>38-121</td>
<td>13mm Teflon®/Silicone</td>
<td>100</td>
<td>15.30</td>
</tr>
<tr>
<td>38-122</td>
<td>13mm Teflon®/Butyl Rubber</td>
<td>100</td>
<td>12.25</td>
</tr>
<tr>
<td>38-123</td>
<td>13mm Teflon®/Silicone/Teflon®</td>
<td>100</td>
<td>21.00</td>
</tr>
<tr>
<td>38-124</td>
<td>13mm Black Viton®</td>
<td>100</td>
<td>31.25</td>
</tr>
<tr>
<td>38-125</td>
<td>13mm Teflon®/Silicone with Slit</td>
<td>100</td>
<td>31.50</td>
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</tbody>
</table>
**STANDARD OPENING CRIMP TOP VIALS**

FOR USE WITH ALUMINUM SEALS

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
<th>Special Number</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.8</td>
<td>8 x 30</td>
<td>8 mm Crimp</td>
<td>100</td>
<td>12-155</td>
<td>$17.40</td>
<td>12-155M</td>
<td>N/A</td>
</tr>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>11 mm Crimp</td>
<td>100</td>
<td>12-156</td>
<td>13.50</td>
<td>12-156M</td>
<td>$15.00</td>
</tr>
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</table>

**AMBER**

<table>
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<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
<th>Special Number</th>
<th>Special Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.8</td>
<td>8 x 30</td>
<td>8 mm Crimp</td>
<td>100</td>
<td>12-160</td>
<td>$19.80</td>
<td>12-160M</td>
<td>N/A</td>
</tr>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>11 mm Crimp</td>
<td>100</td>
<td>12-161</td>
<td>15.00</td>
<td>12-161M</td>
<td>$15.75</td>
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</table>

**8MM ALUMINUM SEALS**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Aluminum Seal</th>
<th>Color/Liner</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-001</td>
<td>8 mm Silver Seal, PTFE</td>
<td></td>
<td>100</td>
<td>$14.30</td>
</tr>
<tr>
<td>34-002</td>
<td>8 mm Silver Seal, PTFE/Natural Rubber</td>
<td></td>
<td>100</td>
<td>11.70</td>
</tr>
<tr>
<td>34-003</td>
<td>8 mm Silver Seal, Red PTFE/Silicone</td>
<td></td>
<td>100</td>
<td>21.20</td>
</tr>
<tr>
<td>34-004</td>
<td>8 mm Silver Seal, PTFE/Silicone/PTFE</td>
<td></td>
<td>100</td>
<td>25.50</td>
</tr>
<tr>
<td>34-005</td>
<td>8 mm Silver Seal, Black Viton</td>
<td></td>
<td>100</td>
<td>61.20</td>
</tr>
</tbody>
</table>

**11MM ALUMINUM SEALS**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Aluminum Seal</th>
<th>Color/Liner</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-130</td>
<td>11 mm Silver Seal, PTFE</td>
<td></td>
<td>100</td>
<td>$13.50</td>
</tr>
<tr>
<td>34-130B</td>
<td>11 mm Blue Seal, PTFE</td>
<td></td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130G</td>
<td>11 mm Green Seal, PTFE</td>
<td></td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130R</td>
<td>11 mm Red Seal, PTFE</td>
<td></td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130GD</td>
<td>11 mm Gold Seal, PTFE</td>
<td></td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-131</td>
<td>11 mm Silver Seal, PTFE/Silicone</td>
<td></td>
<td>100</td>
<td>21.25</td>
</tr>
<tr>
<td>34-131B</td>
<td>11 mm Blue Seal, PTFE/Silicone</td>
<td></td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131G</td>
<td>11 mm Green Seal, PTFE/Silicone</td>
<td></td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131R</td>
<td>11 mm Red Seal, PTFE/Silicone</td>
<td></td>
<td>100</td>
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</tr>
<tr>
<td>34-131GD</td>
<td>11 mm Gold Seal, PTFE/Silicone</td>
<td></td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-132</td>
<td>11 mm Silver Seal, PTFE/Silicone/PTFE</td>
<td></td>
<td>100</td>
<td>25.50</td>
</tr>
<tr>
<td>34-132B</td>
<td>11 mm Blue Seal, PTFE/Silicone/PTFE</td>
<td></td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132G</td>
<td>11 mm Green Seal, PTFE/Silicone/PTFE</td>
<td></td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132R</td>
<td>11 mm Red Seal, PTFE/Silicone/PTFE</td>
<td></td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132GD</td>
<td>11 mm Gold Seal, PTFE/Silicone/PTFE</td>
<td></td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-133</td>
<td>11 mm Silver Seal, Black Viton</td>
<td></td>
<td>100</td>
<td>46.25</td>
</tr>
</tbody>
</table>
## SAMPLE VIALS
### 12X32MM

**WIDE NECK CRIMP TOP LO VIALS**

SOLID RING CRIMP FINISH
FOR USE WITH 11MM ALUMINUM SEALS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Size (ml)</th>
<th>Vial Size (x)</th>
<th>Vial Size (mm)</th>
<th>Case Size</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-115</td>
<td>2.0</td>
<td>12 x 32</td>
<td>11mm Crimp</td>
<td>100</td>
<td>$13.50</td>
<td></td>
</tr>
<tr>
<td>12-115M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$15.00</td>
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**AMBER**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Size (ml)</th>
<th>Vial Size (x)</th>
<th>Vial Size (mm)</th>
<th>Case Size</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-116</td>
<td>2.0</td>
<td>12 x 32</td>
<td>11mm Crimp</td>
<td>100</td>
<td>$15.00</td>
<td></td>
</tr>
<tr>
<td>12-116M</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>$15.75</td>
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### ALUMINUM SEALS

<table>
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<tr>
<th>Product Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-130</td>
<td>11mm Silver Seal/PTFE</td>
<td>100</td>
<td>$13.50</td>
</tr>
<tr>
<td>34-130B</td>
<td>11mm Blue Seal/PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130G</td>
<td>11mm Green Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130R</td>
<td>11mm Red Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130GD</td>
<td>11mm Gold Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-131</td>
<td>11mm Silver Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.25</td>
</tr>
<tr>
<td>34-131B</td>
<td>11mm Blue Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131G</td>
<td>11mm Green Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131R</td>
<td>11mm Red Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131GD</td>
<td>11mm Gold Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-132</td>
<td>11mm Silver Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>25.50</td>
</tr>
<tr>
<td>34-132B</td>
<td>11mm Blue Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132G</td>
<td>11mm Green Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132R</td>
<td>11mm Red Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132GD</td>
<td>11mm Gold Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-133</td>
<td>11mm Silver Seal, Black Viton</td>
<td>100</td>
<td>60.50</td>
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<td>34-006</td>
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<td>100</td>
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<tr>
<td>34-006B</td>
<td>11mm Blue Seal, PTFE/Natural Rubber</td>
<td>100</td>
<td>13.72</td>
</tr>
<tr>
<td>34-006G</td>
<td>11mm Green Seal, PTFE/Natural Rubber</td>
<td>100</td>
<td>13.72</td>
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<td>34-006R</td>
<td>11mm Red Seal, PTFE/Natural Rubber</td>
<td>100</td>
<td>13.72</td>
</tr>
<tr>
<td>34-006GD</td>
<td>11mm Gold Seal, PTFE/Natural Rubber</td>
<td>100</td>
<td>13.72</td>
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</tbody>
</table>
**SAMPLE VIALS 15X45MM**

**13MM CRIMP TOP/SNAP RING™ VIALS**

For use with 13mm plastic snap caps or 13mm aluminum seals.

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial</th>
<th>Finish</th>
<th>Case</th>
<th>Product</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>ml</td>
<td></td>
<td></td>
<td>Pack</td>
<td>Number</td>
<td>Price</td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>15 x 45</td>
<td>13mm Crimp/Snap Ring™</td>
<td>100</td>
<td>12-125</td>
<td>$15.80</td>
<td></td>
</tr>
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**CLEAR**

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial</th>
<th>Finish</th>
<th>Case</th>
<th>Product</th>
<th>Case</th>
<th>Price</th>
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<tr>
<td>ml</td>
<td></td>
<td></td>
<td>Pack</td>
<td>Number</td>
<td>Price</td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>15 x 45</td>
<td>13mm Crimp/Snap Ring™</td>
<td>100</td>
<td>12-126</td>
<td>$17.80</td>
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**AMBER**

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<tr>
<th>Size</th>
<th>Vial</th>
<th>Finish</th>
<th>Case</th>
<th>Product</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>ml</td>
<td></td>
<td></td>
<td>Pack</td>
<td>Number</td>
<td>Price</td>
<td></td>
</tr>
<tr>
<td>4.0</td>
<td>15 x 45</td>
<td>13mm Crimp/Snap Ring™</td>
<td>100</td>
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**13MM PLASTIC SNAP CAPS**

<table>
<thead>
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<th>Description</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-150</td>
<td>13mm Clear Snap Cap, PTFE</td>
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<td>$18.40</td>
</tr>
<tr>
<td>34-151</td>
<td>13mm Clear Snap Cap, PTFE/Natural Rubber</td>
<td>100</td>
<td>19.20</td>
</tr>
<tr>
<td>34-152</td>
<td>13mm Clear Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>30.20</td>
</tr>
<tr>
<td>34-153</td>
<td>13mm Clear Snap Cap, PTFE/Silicone Starburst</td>
<td>100</td>
<td>33.70</td>
</tr>
<tr>
<td>34-154</td>
<td>13mm Clear Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>36.30</td>
</tr>
<tr>
<td>34-155</td>
<td>13mm Clear Snap Cap, PTFE/Silicone/PTFE w/Starburst</td>
<td>100</td>
<td>38.00</td>
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**13MM ALUMINUM SEALS**

<table>
<thead>
<tr>
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<th>Description</th>
<th>Case Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-160</td>
<td>13mm Silver Seal, PTFE</td>
<td>100</td>
<td>$6.20</td>
</tr>
<tr>
<td>34-161</td>
<td>13mm Silver Seal, PTFE/Natural Rubber</td>
<td>100</td>
<td>10.00</td>
</tr>
<tr>
<td>34-162</td>
<td>13mm Silver Seal, PTFE/Silicone</td>
<td>100</td>
<td>17.00</td>
</tr>
<tr>
<td>34-163</td>
<td>13mm Silver Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>19.60</td>
</tr>
</tbody>
</table>
### SAMPLE VIALS

#### 12X32MM

**11MM WIDE NECK CRIMP TOP/SNAP RING™ VIALS**

For use with 11mm Plastic Snap Caps or 11mm Aluminum Seals

#### CLEAR

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-120</td>
<td>2.0</td>
<td>12 x 32</td>
<td>11mm Crimp/Snap Ring™</td>
<td>100</td>
<td>$13.50</td>
</tr>
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</table>

#### AMBER

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-121</td>
<td>2.0</td>
<td>12 x 32</td>
<td>11mm Crimp/Snap Ring™</td>
<td>100</td>
<td>$14.80</td>
</tr>
</tbody>
</table>

#### 11MM PLASTIC SNAP CAPS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Snap Cap Color/Liner</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-140</td>
<td>Clear Snap Cap, PTFE</td>
<td>100</td>
<td>$14.00</td>
</tr>
<tr>
<td>34-141</td>
<td>Clear Snap Cap, Starburst, PTFE</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-140B</td>
<td>Blue Snap Cap, PTFE</td>
<td>100</td>
<td>15.25</td>
</tr>
<tr>
<td>34-140G</td>
<td>Green Snap Cap, PTFE</td>
<td>100</td>
<td>15.25</td>
</tr>
<tr>
<td>34-140R</td>
<td>Red Snap Cap, PTFE</td>
<td>100</td>
<td>15.25</td>
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<tr>
<td>34-140Y</td>
<td>Yellow Snap Cap, PTFE</td>
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</tr>
<tr>
<td>34-142</td>
<td>Clear Snap Cap, Natural Rubber</td>
<td>100</td>
<td>15.10</td>
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<tr>
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<td>Blue Snap Cap, Natural Rubber</td>
<td>100</td>
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</tr>
<tr>
<td>34-142G</td>
<td>Green Snap Cap, Natural Rubber</td>
<td>100</td>
<td>16.35</td>
</tr>
<tr>
<td>34-142R</td>
<td>Red Snap Cap, Natural Rubber</td>
<td>100</td>
<td>16.35</td>
</tr>
<tr>
<td>34-142Y</td>
<td>Yellow Snap Cap, Natural Rubber</td>
<td>100</td>
<td>16.35</td>
</tr>
<tr>
<td>34-143</td>
<td>Clear Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>22.50</td>
</tr>
<tr>
<td>34-143B</td>
<td>Blue Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>23.75</td>
</tr>
<tr>
<td>34-143G</td>
<td>Green Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>23.75</td>
</tr>
<tr>
<td>34-143R</td>
<td>Red Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>23.75</td>
</tr>
<tr>
<td>34-143Y</td>
<td>Yellow Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>23.75</td>
</tr>
<tr>
<td>34-145</td>
<td>Clear Snap Cap w/Slit, PTFE/Silicone</td>
<td>100</td>
<td>33.52</td>
</tr>
<tr>
<td>34-145B</td>
<td>Blue Snap Cap w/Slit, PTFE/Silicone</td>
<td>100</td>
<td>35.20</td>
</tr>
<tr>
<td>34-145G</td>
<td>Green Snap Cap w/Slit, PTFE/Silicone</td>
<td>100</td>
<td>35.20</td>
</tr>
<tr>
<td>34-145R</td>
<td>Red Snap Cap w/Slit, PTFE/Silicone</td>
<td>100</td>
<td>35.20</td>
</tr>
<tr>
<td>34-145Y</td>
<td>Yellow Snap Cap w/Slit, PTFE/Silicone</td>
<td>100</td>
<td>35.20</td>
</tr>
<tr>
<td>34-144</td>
<td>Clear Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.50</td>
</tr>
<tr>
<td>34-144B</td>
<td>Blue Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>29.15</td>
</tr>
<tr>
<td>34-144G</td>
<td>Green Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>29.15</td>
</tr>
<tr>
<td>34-144R</td>
<td>Red Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>29.15</td>
</tr>
<tr>
<td>34-144Y</td>
<td>Yellow Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>29.15</td>
</tr>
<tr>
<td>34-146</td>
<td>Clear Snap Cap Starburst, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>41.80</td>
</tr>
<tr>
<td>34-146B</td>
<td>Blue Snap Cap Starburst, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>42.50</td>
</tr>
<tr>
<td>34-146G</td>
<td>Green Snap Cap Starburst, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>42.50</td>
</tr>
<tr>
<td>34-146R</td>
<td>Red Snap Cap Starburst, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>42.50</td>
</tr>
<tr>
<td>34-146Y</td>
<td>Yellow Snap Cap Starburst, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>42.50</td>
</tr>
</tbody>
</table>

#### 11MM ALUMINUM SEALS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Snap Cap Color/Liner</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-130</td>
<td>11mm Silver Seal, PTFE</td>
<td>100</td>
<td>$13.50</td>
</tr>
<tr>
<td>34-130B</td>
<td>11mm Blue Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130G</td>
<td>11mm Green Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130R</td>
<td>11mm Red Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-130GD</td>
<td>11mm Gold Seal, PTFE</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-131</td>
<td>11mm Silver Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.25</td>
</tr>
<tr>
<td>34-131B</td>
<td>11mm Blue Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131G</td>
<td>11mm Green Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131R</td>
<td>11mm Red Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-131GD</td>
<td>11mm Gold Seal, PTFE/Silicone</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-132</td>
<td>11mm Silver Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>25.50</td>
</tr>
<tr>
<td>34-132B</td>
<td>11mm Blue Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132G</td>
<td>11mm Green Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132R</td>
<td>11mm Red Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132GD</td>
<td>11mm Gold Seal, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-133</td>
<td>11mm Silver Seal, Black Viton</td>
<td>100</td>
<td>46.25</td>
</tr>
</tbody>
</table>
### Limited Volume Vials Crimp/Snap Ring® Finish

#### Glass Snap Ring Vial (All Glass Vial)

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>100</td>
<td>12-130</td>
<td>$44.90</td>
</tr>
</tbody>
</table>

#### Solid Ring Vial

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>11mm CRIMP</td>
<td>100</td>
<td>12-131</td>
<td>$44.90</td>
</tr>
</tbody>
</table>

#### Plastic Crimp/Snap Ring™ Finish

##### Polypropylene

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>100</td>
<td>12-132</td>
<td>$12.75</td>
</tr>
<tr>
<td>.5</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>100</td>
<td>12-133</td>
<td>$12.20</td>
</tr>
<tr>
<td>.75</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>100</td>
<td>12-134</td>
<td>$12.20</td>
</tr>
<tr>
<td>2.5</td>
<td>15 x 45</td>
<td>13mm CR/SR</td>
<td>100</td>
<td>12-135</td>
<td>$13.30</td>
</tr>
</tbody>
</table>

##### TPX® (Polymethylpentene)

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.75</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>100</td>
<td>12-136</td>
<td>$21.40</td>
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</tbody>
</table>

#### Glass/Plastic Vial

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Color</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>Clear</td>
<td>100</td>
<td>12-137</td>
<td>$127.50</td>
</tr>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>11mm CR/SR</td>
<td>Amber</td>
<td>100</td>
<td>12-138</td>
<td>$136.60</td>
</tr>
<tr>
<td>.3</td>
<td>15 x 45</td>
<td>13mm CR/SR</td>
<td>Clear</td>
<td>100</td>
<td>12-139</td>
<td>$127.50</td>
</tr>
</tbody>
</table>
## LIMITED VOLUME VIALS
### SCREW THREAD FINISH

#### GLASS SCREW THREAD (ALL GLASS VIAL)

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>8/425</td>
<td>100</td>
<td>12-140</td>
<td>$46.00</td>
</tr>
</tbody>
</table>

#### PLASTIC SCREW THREAD POLYPROPYLENE

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 X 32</td>
<td>8/425</td>
<td>100</td>
<td>12-141</td>
<td>$15.50</td>
</tr>
<tr>
<td>.5</td>
<td>12 X 32</td>
<td>10/425</td>
<td>100</td>
<td>12-142</td>
<td>10.50</td>
</tr>
<tr>
<td>.75</td>
<td>12 X 32</td>
<td>10/425</td>
<td>100</td>
<td>12-143</td>
<td>12.50</td>
</tr>
<tr>
<td>1.2</td>
<td>15 X 45</td>
<td>13/425</td>
<td>100</td>
<td>12-145</td>
<td>13.50</td>
</tr>
<tr>
<td>2.5</td>
<td>15 X 45</td>
<td>13/425</td>
<td>100</td>
<td>12-146</td>
<td>13.50</td>
</tr>
<tr>
<td>2.9</td>
<td>15 X 45</td>
<td>13/425</td>
<td>100</td>
<td>12-147</td>
<td>13.50</td>
</tr>
</tbody>
</table>

#### GLASS/PLASTIC VIAL

**GLASS INSERT WITH PLASTIC OUTSIDE VIAL**

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Finish</th>
<th>Case Pack</th>
<th>Color</th>
<th>Product Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>8/425</td>
<td>100</td>
<td>Clear</td>
<td>12-148</td>
<td>$137.70</td>
</tr>
<tr>
<td>.1</td>
<td>12 x 32</td>
<td>8/425</td>
<td>100</td>
<td>Amber</td>
<td>12-149</td>
<td>146.80</td>
</tr>
<tr>
<td>.3</td>
<td>15 x 45</td>
<td>13/425</td>
<td>100</td>
<td>Clear</td>
<td>12-150</td>
<td>127.50</td>
</tr>
</tbody>
</table>
HEAD SPACE VIALS

FOR USE WITH 20MM ALUMINUM SEALS

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Color</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>22 x 38</td>
<td>Clear</td>
<td>100</td>
<td>12-170</td>
<td>$22.40</td>
</tr>
<tr>
<td>10</td>
<td>23 x 46</td>
<td>Clear</td>
<td>100</td>
<td>12-171</td>
<td>21.90</td>
</tr>
<tr>
<td>20</td>
<td>23 x 75</td>
<td>Clear</td>
<td>100</td>
<td>12-172</td>
<td>23.25</td>
</tr>
<tr>
<td>27</td>
<td>30 x 60</td>
<td>Clear</td>
<td>100</td>
<td>12-173</td>
<td>36.70</td>
</tr>
</tbody>
</table>

20MM ALUMINUM SEALS UNLINED

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-170</td>
<td>20mm Silver Aluminum Seal Center Tear Off</td>
<td>100</td>
<td>$7.60</td>
</tr>
<tr>
<td>34-171</td>
<td>20mm Silver Aluminum Seal Total Tear Away</td>
<td>100</td>
<td>7.60</td>
</tr>
<tr>
<td>34-172</td>
<td>20mm Silver Aluminum Open Top Seal</td>
<td>100</td>
<td>7.60</td>
</tr>
</tbody>
</table>

20MM ALUMINUM SEALS LINED

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-175</td>
<td>20mm Silver Aluminum Seal with PTFE</td>
<td>100</td>
<td>$13.50</td>
</tr>
<tr>
<td>34-176</td>
<td>20mm Silver Aluminum Seal, PTFE/Grey Butyl Rubber</td>
<td>100</td>
<td>59.00</td>
</tr>
<tr>
<td>34-177</td>
<td>20mm Silver Aluminum Seal, PTFE/Silicone</td>
<td>100</td>
<td>38.80</td>
</tr>
<tr>
<td>34-178</td>
<td>20mm Silver Aluminum Seal, PTFE/</td>
<td>100</td>
<td>84.00</td>
</tr>
<tr>
<td></td>
<td>Grey Butyl Molded Pressure Release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34-180</td>
<td>20mm Silver Aluminum Seal, PTFE/</td>
<td>100</td>
<td>73.00</td>
</tr>
<tr>
<td></td>
<td>Rubber Pressure Release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34-182</td>
<td>20mm Silver Aluminum Seal, PTFE/</td>
<td>100</td>
<td>84.00</td>
</tr>
<tr>
<td></td>
<td>Silicone Pressure Release</td>
<td></td>
<td></td>
</tr>
<tr>
<td>34-184</td>
<td>20mm Tin Plate Seal, PTFE/Butyl Rubber</td>
<td>100</td>
<td>93.97</td>
</tr>
<tr>
<td>34-185</td>
<td>20mm Tin Plate Seal, PTFE/Silicone</td>
<td>100</td>
<td>75.20</td>
</tr>
</tbody>
</table>

SEPTA TO FIT 20MM ALUMINUM SEALS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>38-241</td>
<td>Grey Butyl Rubber/PTFE</td>
<td>100</td>
<td>$34.40</td>
</tr>
<tr>
<td>38-242</td>
<td>PTFE/Silicone</td>
<td>100</td>
<td>31.80</td>
</tr>
<tr>
<td>38-240</td>
<td>Grey PTFE/Silicone</td>
<td>100</td>
<td>26.40</td>
</tr>
</tbody>
</table>

SERUM TUBING VIALS

Vials have blowback feature in neck and bottom radius where freeze-drying applications are indicated. Vials are shrink-wrapped in modules to reduce particulate contamination. Vials are manufactured from low extractable borosilicate glass tubing to hold uniform wall thickness.

CLEAR GLASS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (ml)</th>
<th>Mouth ID x OD</th>
<th>Dia x Hgt</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-200A</td>
<td>2</td>
<td>7 x 13</td>
<td>15 x 32</td>
<td>144</td>
<td>$38.79</td>
</tr>
<tr>
<td>12-201A</td>
<td>3</td>
<td>7 x 13</td>
<td>17 x 37.7</td>
<td>144</td>
<td>41.88</td>
</tr>
<tr>
<td>12-202A</td>
<td>5</td>
<td>13 x 20</td>
<td>22 x 40</td>
<td>144</td>
<td>55.09</td>
</tr>
<tr>
<td>12-203A</td>
<td>10</td>
<td>13 x 20</td>
<td>24 x 50</td>
<td>144</td>
<td>60.58</td>
</tr>
<tr>
<td>12-204A</td>
<td>20</td>
<td>13 x 20</td>
<td>5 x 58</td>
<td>120</td>
<td>79.24</td>
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</table>

AMBER GLASS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (ml)</th>
<th>Mouth ID x OD</th>
<th>Dia x Hgt</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-200A</td>
<td>2</td>
<td>7 x 13</td>
<td>15 x 32</td>
<td>144</td>
<td>$48.39</td>
</tr>
<tr>
<td>12-202A</td>
<td>5</td>
<td>13 x 20</td>
<td>22 x 40</td>
<td>144</td>
<td>62.81</td>
</tr>
<tr>
<td>12-203A</td>
<td>10</td>
<td>13 x 20</td>
<td>24 X 50</td>
<td>144</td>
<td>68.49</td>
</tr>
</tbody>
</table>
# SHELL VIALS

## GLASS

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Plug Size</th>
<th>Vial Color</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>8 x 40</td>
<td>8mm</td>
<td>Clear</td>
<td>200</td>
<td>12-180</td>
<td>$18.20</td>
</tr>
<tr>
<td>1.0</td>
<td>8 x 40</td>
<td>8mm</td>
<td>Amber</td>
<td>200</td>
<td>12-180A</td>
<td>21.70</td>
</tr>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>12mm</td>
<td>Clear</td>
<td>100</td>
<td>12-181</td>
<td>11.12</td>
</tr>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>12mm</td>
<td>Amber</td>
<td>100</td>
<td>12-181A</td>
<td>13.15</td>
</tr>
<tr>
<td>4.0</td>
<td>15 x 45</td>
<td>15mm</td>
<td>Clear</td>
<td>100</td>
<td>12-182</td>
<td>12.15</td>
</tr>
<tr>
<td>4.0</td>
<td>15 x 45</td>
<td>15mm</td>
<td>Amber</td>
<td>100</td>
<td>12-182A</td>
<td>14.15</td>
</tr>
</tbody>
</table>

## POLYPROPYLENE

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<th>Plug Size</th>
<th>Case</th>
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<th>Case Price</th>
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## POLYPROPYLENE LIMITED VOLUME

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<th>Plug Size</th>
<th>Case</th>
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<th>Case Price</th>
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## 8MM SNAP PLUG CAPS

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<tbody>
<tr>
<td>34-200</td>
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<td>6.00</td>
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<tr>
<td>34-201B</td>
<td>8mm Blue Unlined</td>
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<td>6.50</td>
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<tr>
<td>34-201G</td>
<td>8mm Green Unlined</td>
<td>200</td>
<td>6.50</td>
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<tr>
<td>34-201R</td>
<td>8mm Red Unlined</td>
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<td>34-201Y</td>
<td>8mm Yellow Unlined</td>
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<td>34-202</td>
<td>8mm Natural Starburst</td>
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## 12MM SNAP PLUG

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## 15MM SNAP PLUG

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### SCINTILLATION VIALS

#### HIGH DENSITY POLYETHYLENE WITH CAPS ATTACHED

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<th>Vial Size</th>
<th>Cap Size</th>
<th>Finish</th>
<th>Material</th>
<th>Liner Material</th>
<th>Liner</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
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</thead>
<tbody>
<tr>
<td>20</td>
<td>27 x 61</td>
<td>22/400</td>
<td>Polypropylene</td>
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<td>12-353</td>
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### WITH SCREW CAPS PACKED SEPARATELY

Caps are packed in polyethylene bags of 100 pieces

<table>
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<th>Size (ml)</th>
<th>Vial Size</th>
<th>Cap Size</th>
<th>Finish</th>
<th>Material</th>
<th>Liner Material</th>
<th>Liner</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
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</thead>
<tbody>
<tr>
<td>20</td>
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<td>Polypropylene</td>
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### SCINTILLATION VIALS

#### BOROSILICATE GLASS WITH CAPS ATTACHED

#### CLEAR

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<th>Liner</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
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<tbody>
<tr>
<td>20</td>
<td>28 x 61</td>
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<td>Polyethylene</td>
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<tr>
<td>7</td>
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<td>15/425</td>
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<td>Teflon/Silicone</td>
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### WITH SCREW CAPS PACKED SEPARATELY

Caps are packed in polyethylene bags of 100 pieces

<table>
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<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Cap Size</th>
<th>Finish</th>
<th>Material</th>
<th>Liner Material</th>
<th>Liner</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
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<tbody>
<tr>
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<td>Polyethylene</td>
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<td>22/400</td>
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</table>
PRECLEANED SCREW THREAD VIALS ASSEMBLED WITH TEFILON® LINED CLOSED TOP CAPS

PRECLEANED TO EPA PROTOCOL “B” CLEAR BOROSILICATE GLASS SCREW THREAD VIALS WITH TEFILON® LINED CLOSED TOP CAPS

<table>
<thead>
<tr>
<th>Size ml</th>
<th>Vial Size</th>
<th>Cap Size</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
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AMBER BOROSILICATE GLASS SCREW THREAD VIALS WITH TEFILON LINED CLOSED TOP CAPS

<table>
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<th>Vial Size</th>
<th>Cap Size</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
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<td>15 x 45</td>
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<td>100</td>
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<td>12-524</td>
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**PRECLEANED SCREW THREAD VIALS**
**ASSEMBLED WITH OPEN TOP CAPS AND TEFLOM®/SILICONE SEPTA**

PRECLEANED TO EPA PROTOCOL “B”
CLEAR BOROSILICATE GLASS SCREW THREAD VIALS WITH OPEN TOP CAP AND TEFLOM/SILICONE SEPTA. SEPTA IS .010” PTFE BONDED TO .090” SILICONE.

<table>
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<th>Vial Size</th>
<th>Cap Size</th>
<th>Case Pack</th>
<th>Product Case Number</th>
<th>Price Case</th>
<th>White Marking Spot</th>
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**AMBER BOROSILICATE GLASS SCREW THREAD VIALS**
**WITH OPEN TOP CAP AND TEFLOM/SILICONE SEPTA.**

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## PRE-ASSEMBLED SCREW CAP VIALS WITH OPEN TOP CAPS AND TEFLOW®/SILICONE SEPTA

CLEAR BOROSILICATE GLASS SCREW THREAD VIALS WITH OPEN TOP CAP AND TEFLOW/SILICONE SEPTA. SEPTA IS .010” PTFE BONDED TO .090” SILICONE

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## AMBER BOROSILICATE GLASS SCREW THREAD VIALS WITH OPEN TOP CAP AND TEFLOW/SILICONE SEPTA.

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**SCREW THREAD VIALS \ WITHOUT CAPS**

**CLEAR BOROSILICATE GLASS \ SCREW THREAD WITHOUT CAPS**

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**AMBER BOROSILICATE GLASS \ SCREW THREAD VIALS \ WITHOUT CAPS**

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## Clear Borosilicate Glass Screw Thread Vials with Rubber Lined Closure

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## Amber Borosilicate Glass Screw Thread Vials with Rubber Lined Closure

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**PRE-ASSEMBLED SCREW CAP VIALS WITH POLYVINYL-PULP LINED CLOSURE**

CLEAR BOROSILICATE GLASS SCREW THREAD VIALS WITH POLYVINYL-PULP LINED CLOSURE.

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**AMBER BOROSILICATE GLASS SCREW THREAD VIALS**

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PRE-ASSEMBLED SCREW CAP VIALS WITH TEFLON® LINED CLOSED TOP CAPS

CLEAR BOROSILICATE GLASS SCREW THREAD VIALS WITH TEFLON® LINED CLOSED TOP CAPS

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AMBER BOROSILICATE GLASS SCREW THREAD VIALS WITH TEFLON® LINED CLOSED TOP CAPS

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CONVENIENCE PACKS
SAMPLE VIALS

15X45 CRIMP TOP/SNAP RING™
VIALS WITH 13MM SNAP CAP

CLEAR

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 lined 13mm plastic snap caps.

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AMBER

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CONVENIENCE PACK SAMPLE VIALS

12 X 32MM WIDE NECK CRIMP TOP/SNAP RING™ VIALS FOR USE WITH 11MM SNAP CAPS

CLEAR

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 lined plastic snap caps. Snap caps are available in clear, blue, green, red or yellow.

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## CONVENIENCE PACK SAMPLE VIALS

**12 X 32MM WIDE NECK CRIMP TOP/SNAP RING™ VIALS FOR USE WITH 11MM SNAP CAPS**

**AMBER**

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 lined plastic snap caps. Snap caps are available in clear, blue, green, red or yellow.

<table>
<thead>
<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Snap Cap Size</th>
<th>Snap Cap Color/ Liner</th>
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<th>Product Number</th>
<th>Case Price</th>
<th>White Marking Spot</th>
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<td>52.05</td>
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### CONVENIENCE PACK SAMPLE VIALS

**15 X 45MM SCREW THREAD VIALS**

**13MM SCREW THREAD FINISH**

**AMBER**

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 each of open top polypropylene closure and septa in plastic bags. Closures are available in black, blue, green, red, yellow and white. With a choice of PTFE, PTFE/Silicone, PTFE/Silicone/PTFE, or Viton Septa.

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<th>Vial Size</th>
<th>Cap Size</th>
<th>Cap Color/Septa</th>
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<th>Product Number</th>
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CONVENIENCE PACK SAMPLE VIALS

15 X 45MM SCREW THREAD VIALS
13MM SCREW THREAD FINISH

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 each of open top polypropylene closure and septa in plastic bags. Closures are available in black, blue, green, red, yellow and white. With a choice of PTFE, PTFE/Silicone, PTFE/Silicone/PTFE, or Viton Septa.

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### AMBER

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 each of open top polypropylene closure and septa in plastic bags. Closures are available in black, blue, green, red, yellow and white. With a choice of PTFE, PTFE/Silicone, PTFE/Silicone/PTFE, or Viton Septa.

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CONVENIENCE PACK SAMPLE VIALS

12 X 32MM SCREW THREAD VIALS
10MM SCREW THREAD FINISH

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 each of open top polypropylene closure and septa in plastic bags. Closures are available in black, blue, green, red, yellow and white. With a choice of PTFE, PTFE/Silicone, PTFE/Silicone/PTFE, or Viton Septa.

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CONVENIENCE PACK SAMPLE VIALS

12 X 32MM STANDARD OPENING SCREW THREAD VIALS 8MM SCREW THREAD FINISH

AMBER

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 each of open top polypropylene closure and septa in plastic bags. Closures are available in black, blue, green, red, yellow or white.

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CONVENIENCE PACK SAMPLE VIALS

12 X 32MM STANDARD OPENING SCREW THREAD VIALS 8MM SCREW THREAD FINISH

CLEAR

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 each of open top polypropylene closure and septa in plastic bags. Closures are available in black, blue, green, red, yellow or white.

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## CONVENIENCE PACK SAMPLE VIALS

**12 X 32MM WIDE NECK CRIMP TOP VIALS**  
**SOLID RING VIALS**  
**FOR USE WITH 11MM ALUMINUM SEALS**

**CLEAR**

Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 lined aluminum seals in plastic bags. Aluminum seals are available in silver, blue, green, red or gold.

### Vials

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<th>Product</th>
<th>Case</th>
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### AMBER

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<th>Product</th>
<th>Case</th>
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## Vials

### SLS-LUX Scientific

**Convenience Pack Screw Thread Vials with Rubber Lined Closure**

- **Clear Borosilicate Glass Screw Thread Vials**
  - Shrink-wrapped in a separate module to eliminate the possibility of contamination from corrugated packaging materials. Rubber lined caps are included but not assembled.

<table>
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<th>Size (ml)</th>
<th>Vial Size</th>
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<th>Case Pack</th>
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**Amber Borosilicate Glass Screw Thread Vials with Rubber Lined Caps Included But Not Assembled**

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<th>Case Price</th>
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CONVENIENCE PACK SCREW THREAD VIALS WITH POLYVINYL-PULP LINED CLOSURE

CLEAR BOROSILICATE GLASS SCREW THREAD VIALS
Shrink-wrapped in a separate module to eliminate the possibility of contamination from corrugated packaging materials. Polyvinyl-Pulp lined caps are included but not assembled.

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AMBER BOROSILICATE GLASS SCREW THREAD VIALS WITH POLYVINYL-PULP LINED CAPS INCLUDED BUT NOT ASSEMBLED

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CONVENIENCE PACK SCREW THREAD VIALS WITH TEFLOW® LINED CLOSED TOP CAPS

CLEAR BOROSILICATE GLASS SCREW THREAD VIALS

Shrink-wrapped in a separate module to eliminate the possibility of contamination from corrugated packaging materials. Teflon® lined caps are included but not assembled.

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AMBER BOROSILICATE GLASS SCREW THREAD VIALS WITH TEFLOW® LINED CAPS INCLUDED BUT NOT ASSEMBLED

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<th>Case Price</th>
<th>Product Number</th>
<th>Case Price</th>
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CONVENIENCE PACK SCREW CAP VIALS WITH OPEN TOP CAPS AND TEFLOM®/SILICONE SEPTA PACKED SEPARATELY

CLEAR BOROSILICATE GLASS SCREW THREAD VIALS
Shrink-wrapped in a separate module to eliminate the possibility of contamination from corrugated packaging materials. Open top caps and Septa are packed separately.

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<th>Cap Size</th>
<th>Case Pack</th>
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AMBER BOROSILICATE GLASS SCREW THREAD VIALS WITH OPEN TOP CAP AND TEFLOM®/SILICONE SEPTA PACKED SEPARATELY.

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# Vials

## Convenience Packs Shell Vials

Shell Vials convenience packs contain 200 vials shrink-wrapped and 200 plugs in plastic bags. 8mm plugs are available in red, blue, green or yellow.

### 8X40MM

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### Polypropylene 8 X 40MM Shell Vials

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<th>Case Price</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>12mm</td>
<td>100</td>
<td>12-1020</td>
<td>$11.00</td>
<td>12-1020A</td>
<td>$13.00</td>
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</table>

### Polypropylene 12 X 32MM Shell Vials

<table>
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<th>Size (ml)</th>
<th>Vial Size</th>
<th>Plug Size</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.0</td>
<td>12 x 32</td>
<td>12mm</td>
<td>100</td>
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<td>$12.00</td>
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### 15X45MM

<table>
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<tr>
<th>Size (ml)</th>
<th>Vial Size</th>
<th>Plug Size</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
<td>15 x 45</td>
<td>15mm</td>
<td>100</td>
<td>12-1000</td>
<td>$12.25</td>
<td>12-1000A</td>
<td>$14.25</td>
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### Polypropylene 15 X 45 Shell Vials

<table>
<thead>
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<th>Size (ml)</th>
<th>Vial Size</th>
<th>Plug Size</th>
<th>Case Pack</th>
<th>Product Number</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
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<td>100</td>
<td>12-1001</td>
<td>$13.15</td>
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### Polypropylene Limited Volume

<table>
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<th>Case Price</th>
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</thead>
<tbody>
<tr>
<td>.7</td>
<td>8 x 40</td>
<td>8mm</td>
<td>100</td>
<td>12-1002</td>
<td>$14.50</td>
</tr>
<tr>
<td>3.0</td>
<td>15 x 45</td>
<td>15mm</td>
<td>100</td>
<td>12-1003</td>
<td>26.00</td>
</tr>
</tbody>
</table>
### CONVENIENCE PACKS
#### 8 x 30mm Crimp Top Autosampler Vials
8 x 30mm Vials are available in clear and amber borosilicate glass. Convenience packs contain 100 shrink-wrapped vials and 100 8mm aluminum seals in a plastic bag.

<table>
<thead>
<tr>
<th>Size</th>
<th>Vial Finish</th>
<th>Seal Liner</th>
<th>Case Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.8</td>
<td>8 x 30</td>
<td>Teflon</td>
<td>12-1030</td>
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<tr>
<td>.8</td>
<td>8 x 30</td>
<td>PTFE/Rubber</td>
<td>12-1031</td>
<td>29.22</td>
</tr>
<tr>
<td>.8</td>
<td>8 x 30</td>
<td>PTFE/Silicone</td>
<td>12-1032</td>
<td>43.50</td>
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<tr>
<td>.8</td>
<td>8 x 30</td>
<td>PTFE/Silicone/PTFE</td>
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<tr>
<td>.8</td>
<td>8 x 30</td>
<td>Black Viton</td>
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### CONVENIENCE PACKS SAMPLE VIALS
#### 15 x 45mm Crimp Top/Snap Ring™ Vials With 13mm Aluminum Seals
Vials are available in Clear or Amber Borosilicate Glass. Convenience Packs contain 100 shrink-wrapped vials and 100 lined 13mm aluminum seals.

<table>
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<tr>
<th>Size</th>
<th>Vial Seal Color/Liner</th>
<th>Aluminum Seal Color/Liner</th>
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<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.0</td>
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<td>Silver, PTFE/Silicone</td>
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<td>15 x 45 13mm Silver, PTFE/Natural rubber</td>
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<td>Silver, PTFE/Silicone/PTFE</td>
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### Closures

**Polypropylene Solid Top Caps Without Liner**

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<th>Case Pack</th>
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<tr>
<td>34-500G</td>
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<td>8-425</td>
<td>100</td>
<td>3.77</td>
</tr>
<tr>
<td>34-500R</td>
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<td>8-425</td>
<td>100</td>
<td>3.77</td>
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<td>6.25</td>
</tr>
<tr>
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**Polypropylene Open Hole Closures with Teflon/Silicone Septa Bonded to the Cap**

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**Poly-SEAL® Cone Lined Black Phenolic Closures**

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## Closures

Polypropylene Caps with Open Hole Top Unlined

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## Teflon Cap Liners .015" Thick

Solid virgin Teflon can be manually inserted into closure and maintains a snug friction fit.

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<td>20MM Red</td>
<td>100</td>
<td>6.15</td>
<td></td>
</tr>
<tr>
<td>34-635GD</td>
<td>20MM Gold</td>
<td>100</td>
<td>6.15</td>
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</table>

## Unlined Total Tear Seal

<table>
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<th>Pack</th>
<th>Price</th>
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<tbody>
<tr>
<td>34-640</td>
<td>13MM Silver</td>
<td>100</td>
<td>$4.00</td>
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</tr>
<tr>
<td>34-640B</td>
<td>13MM Blue</td>
<td>100</td>
<td>4.60</td>
<td></td>
</tr>
<tr>
<td>34-640G</td>
<td>13MM Green</td>
<td>100</td>
<td>4.60</td>
<td></td>
</tr>
<tr>
<td>34-640R</td>
<td>13MM Red</td>
<td>100</td>
<td>4.60</td>
<td></td>
</tr>
<tr>
<td>34-640GD</td>
<td>13MM Gold</td>
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<td>4.60</td>
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</tr>
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<td>34-645</td>
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<td>20MM Blue</td>
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<tr>
<td>34-645G</td>
<td>20MM Green</td>
<td>100</td>
<td>5.00</td>
<td></td>
</tr>
<tr>
<td>34-645R</td>
<td>20MM Red</td>
<td>100</td>
<td>5.00</td>
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<td>34-645GD</td>
<td>20MM Gold</td>
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## Lined Aluminum Seals

### Lined with PTFE/Silicone/PTFE

<table>
<thead>
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<th>Catalog</th>
<th>Color</th>
<th>Size OD</th>
<th>Case</th>
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<tr>
<td>34-004</td>
<td>Silver</td>
<td>8</td>
<td>100</td>
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<td>34-132R</td>
<td>Blue</td>
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</tr>
<tr>
<td>34-132G</td>
<td>Green</td>
<td>11</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-132R</td>
<td>Red</td>
<td>11</td>
<td>100</td>
<td>26.00</td>
</tr>
<tr>
<td>34-163</td>
<td>Gold</td>
<td>13</td>
<td>100</td>
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### Lined with Black Viton

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<th>Case</th>
<th>Case</th>
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<tbody>
<tr>
<td>34-005</td>
<td>Silver</td>
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<td>100</td>
<td>$46.25</td>
</tr>
<tr>
<td>34-133</td>
<td>Silver</td>
<td>11</td>
<td>100</td>
<td>46.25</td>
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### Lined with PTFE/Butyl Rubber

<table>
<thead>
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<th>Catalog</th>
<th>Color</th>
<th>Size OD</th>
<th>Case</th>
<th>Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-175</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>$59.00</td>
</tr>
<tr>
<td>34-177</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>73.00</td>
</tr>
<tr>
<td>34-180</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>84.00</td>
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<tr>
<td>34-184</td>
<td>Silver</td>
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### Lined with 10MIL Teflon

<table>
<thead>
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<th>Color</th>
<th>Size OD</th>
<th>Case</th>
<th>Case</th>
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<tbody>
<tr>
<td>34-175</td>
<td>Silver</td>
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<td>100</td>
<td>$14.30</td>
</tr>
<tr>
<td>34-177</td>
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<td>20</td>
<td>100</td>
<td>13.50</td>
</tr>
<tr>
<td>34-180</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>14.00</td>
</tr>
<tr>
<td>34-184</td>
<td>Silver</td>
<td>20</td>
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</tr>
<tr>
<td>34-182</td>
<td>Silver</td>
<td>11</td>
<td>100</td>
<td>29.90</td>
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</table>

### Lined with PTFE/Natural Rubber

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Color</th>
<th>Size OD</th>
<th>Case</th>
<th>Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-002</td>
<td>Silver</td>
<td>8</td>
<td>100</td>
<td>$14.00</td>
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<tr>
<td>34-006</td>
<td>Silver</td>
<td>11</td>
<td>100</td>
<td>13.23</td>
</tr>
<tr>
<td>34-006B</td>
<td>Blue</td>
<td>11</td>
<td>100</td>
<td>13.72</td>
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<tr>
<td>34-006G</td>
<td>Green</td>
<td>11</td>
<td>100</td>
<td>13.72</td>
</tr>
<tr>
<td>34-006R</td>
<td>Red</td>
<td>11</td>
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<tr>
<td>34-006GD</td>
<td>Gold</td>
<td>11</td>
<td>100</td>
<td>13.72</td>
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### Lined with PTFE/Silicone

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Color</th>
<th>Size OD</th>
<th>Case</th>
<th>Case</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-003</td>
<td>Silver</td>
<td>8</td>
<td>100</td>
<td>$21.20</td>
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<tr>
<td>34-131</td>
<td>Silver</td>
<td>11</td>
<td>100</td>
<td>21.25</td>
</tr>
<tr>
<td>34-131B</td>
<td>Blue</td>
<td>11</td>
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<td>34-131G</td>
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<td>11</td>
<td>100</td>
<td>21.75</td>
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<tr>
<td>34-131GD</td>
<td>Gold</td>
<td>11</td>
<td>100</td>
<td>21.75</td>
</tr>
<tr>
<td>34-177</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>38.88</td>
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<td>34-185</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>75.20</td>
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<tr>
<td>34-182</td>
<td>Silver</td>
<td>20</td>
<td>100</td>
<td>84.00</td>
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<tr>
<td>34-183</td>
<td>Silver</td>
<td>11</td>
<td>100</td>
<td>29.90</td>
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</table>

## Snap Top Caps™ 13MM

For use with 15x45 MM Snap Ring Vials

<table>
<thead>
<tr>
<th>Catalog</th>
<th>Description</th>
<th>Case</th>
<th>Case</th>
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</thead>
<tbody>
<tr>
<td>34-150</td>
<td>13MM Clear Snap Cap, 10mil PTFE</td>
<td>100</td>
<td>$18.90</td>
</tr>
<tr>
<td>34-151</td>
<td>13MM Clear Snap Cap, PTFE/Natural Rubber</td>
<td>100</td>
<td>18.20</td>
</tr>
<tr>
<td>34-152</td>
<td>13MM Clear Snap Cap, PTFE/Silicone</td>
<td>100</td>
<td>35.95</td>
</tr>
<tr>
<td>34-154</td>
<td>13MM Clear Snap Cap, PTFE/Silicone with starburst</td>
<td>100</td>
<td>35.95</td>
</tr>
<tr>
<td>34-155</td>
<td>13MM Clear Snap Cap, PTFE/Silicone/PTFE</td>
<td>100</td>
<td>35.95</td>
</tr>
<tr>
<td>34-153</td>
<td>13MM Clear Snap Cap, PTFE/Silicone/PTFE with starburst</td>
<td>100</td>
<td>45.75</td>
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### SEPTA FOR CAPS WITH OPEN TOPS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>For Cap Size</th>
<th>Material</th>
<th>Case Pack</th>
<th>Case Price</th>
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</thead>
<tbody>
<tr>
<td>38-106</td>
<td>8 .030&quot; Black Viton</td>
<td>100</td>
<td>$22.00</td>
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</tr>
<tr>
<td>38-103</td>
<td>8 .035&quot; PTFE/Silicone</td>
<td>100</td>
<td>$26.50</td>
<td></td>
</tr>
<tr>
<td>38-104</td>
<td>8 .045&quot; PTFE/Butyl Rubber</td>
<td>100</td>
<td>$9.45</td>
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</tr>
<tr>
<td>38-105</td>
<td>8 .040&quot; PTFE/Silicone/PTFE</td>
<td>100</td>
<td>$15.25</td>
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<tr>
<td>38-200</td>
<td>8 .040&quot; PTFE/Silicone/PTFE with Slit</td>
<td>100</td>
<td>$30.50</td>
<td></td>
</tr>
<tr>
<td>38-201</td>
<td>8 .045&quot; PTFE/Silicone</td>
<td>100</td>
<td>$13.00</td>
<td></td>
</tr>
<tr>
<td>38-202</td>
<td>8 .065&quot; Grey PTFE/Silicone</td>
<td>100</td>
<td>$10.38</td>
<td></td>
</tr>
<tr>
<td>38-203</td>
<td>8 .060&quot; PTFE/Silicone/PTFE</td>
<td>100</td>
<td>$15.25</td>
<td></td>
</tr>
<tr>
<td>38-204</td>
<td>8 .060&quot; PTFE/Silicone with Slit</td>
<td>100</td>
<td>$29.00</td>
<td></td>
</tr>
<tr>
<td>38-205</td>
<td>8 .065&quot; PTFE/Silicone</td>
<td>100</td>
<td>$13.00</td>
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</tr>
<tr>
<td>38-206</td>
<td>8 .065&quot; PTFE/Silicone with Slit</td>
<td>100</td>
<td>$29.15</td>
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</tr>
<tr>
<td>38-207</td>
<td>8 .075&quot; PTFE/Silicone</td>
<td>100</td>
<td>$14.68</td>
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<tr>
<td>38-208</td>
<td>8 .100&quot; PTFE/Silicone</td>
<td>100</td>
<td>$15.85</td>
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<td>38-115</td>
<td>10 .030&quot; Black Viton</td>
<td>100</td>
<td>$25.00</td>
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<tr>
<td>38-113</td>
<td>10 .040&quot; PTFE Butyl Rubber</td>
<td>100</td>
<td>$10.56</td>
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<tr>
<td>38-114</td>
<td>10 .040&quot; PTFE/Silicone/PTFE</td>
<td>100</td>
<td>$19.20</td>
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<tr>
<td>38-111</td>
<td>10 .060&quot; PTFE/Silicone</td>
<td>100</td>
<td>$13.40</td>
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</tr>
<tr>
<td>38-112</td>
<td>10 .060&quot; PTFE/Silicone with Slit</td>
<td>100</td>
<td>$30.00</td>
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</tr>
<tr>
<td>38-215</td>
<td>10 .075&quot; PTFE/Silicone</td>
<td>100</td>
<td>$16.68</td>
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<tr>
<td>38-124</td>
<td>13 .030&quot; Black Viton</td>
<td>100</td>
<td>$28.00</td>
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<tr>
<td>38-123</td>
<td>13 .040&quot; PTFE/Silicone/PTFE</td>
<td>100</td>
<td>$19.25</td>
<td></td>
</tr>
<tr>
<td>38-122</td>
<td>13 .060&quot; PTFE/Butyl Rubber</td>
<td>100</td>
<td>$11.90</td>
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<tr>
<td>38-220</td>
<td>13 .060&quot; Grey PTFE/Silicone (Drum Vials)</td>
<td>100</td>
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<tr>
<td>38-121</td>
<td>13 .060&quot; PTFE/Silicone</td>
<td>100</td>
<td>$15.00</td>
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</tr>
<tr>
<td>38-125</td>
<td>13 .060&quot; PTFE/Silicone with Slit</td>
<td>100</td>
<td>$35.00</td>
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<tr>
<td>38-225</td>
<td>13 .075&quot; PTFE/Silicone</td>
<td>100</td>
<td>$16.68</td>
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<tr>
<td>38-230</td>
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<td>$15.04</td>
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<td>38-235</td>
<td>18 .060&quot; Grey PTFE/Silicone (Drum Vials)</td>
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<td>$19.00</td>
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<td>38-240</td>
<td>20 .060&quot; Grey PTFE/Silicone (Drum Vials)</td>
<td>100</td>
<td>$26.40</td>
<td></td>
</tr>
<tr>
<td>38-241</td>
<td>20 .100&quot; Grey Butyl Rubber</td>
<td>100</td>
<td>$34.40</td>
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<td>38-242</td>
<td>20 .100&quot; PTFE/Silicone</td>
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<td>22 .060&quot; PTFE/Silicone</td>
<td>100</td>
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<tr>
<td>38-246</td>
<td>22 .100&quot; PTFE/Silicone</td>
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<td>24 .060&quot; PTFE/Silicone</td>
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<td>$60.00</td>
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<tr>
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<td>24 .100&quot; PTFE/Silicone</td>
<td>100</td>
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<tr>
<td>38-252</td>
<td>24 .125&quot; PTFE/Silicone</td>
<td>100</td>
<td>$65.27</td>
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<tr>
<td>38-253</td>
<td>28 .060&quot; PTFE/Silicone</td>
<td>100</td>
<td>$68.90</td>
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<tr>
<td>38-254</td>
<td>28 .100&quot; PTFE/Silicone</td>
<td>100</td>
<td>$68.90</td>
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</table>

### SNAP PLUGS

**LOW DENSITY POLYETHYLENE**

**8MM**

For use with 7 x 40MM SHELL VIALS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-199</td>
<td>8mm Clear Snap Plug, No Starburst</td>
<td>200</td>
<td>$6.00</td>
</tr>
<tr>
<td>34-200</td>
<td>8mm Clear, Silicone Lined, Snap Plug</td>
<td>100</td>
<td>$15.00</td>
</tr>
<tr>
<td>34-201</td>
<td>8mm Clear Low Density Polyethylene Snap Plug</td>
<td>200</td>
<td>$6.00</td>
</tr>
<tr>
<td>34-201B</td>
<td>8mm Blue Low Density Polyethylene Snap Plug</td>
<td>200</td>
<td>$6.50</td>
</tr>
<tr>
<td>34-201G</td>
<td>8mm Green Low Density Polyethylene Snap Plug</td>
<td>200</td>
<td>$6.50</td>
</tr>
<tr>
<td>34-201R</td>
<td>8mm Red Low Density Polyethylene Snap Plug</td>
<td>200</td>
<td>$6.50</td>
</tr>
<tr>
<td>34-201Y</td>
<td>8mm Yellow Low Density Polyethylene Snap Plug</td>
<td>200</td>
<td>$6.50</td>
</tr>
<tr>
<td>34-202</td>
<td>8mm Polymethylene Starburst Conical Snap Plug</td>
<td>200</td>
<td>$7.15</td>
</tr>
<tr>
<td>34-202G</td>
<td>8mm Green PE Starburst Conical Snap Plug</td>
<td>200</td>
<td>$8.25</td>
</tr>
<tr>
<td>34-202R</td>
<td>8mm Red PE Starburst Conical Snap Plug</td>
<td>200</td>
<td>$8.25</td>
</tr>
<tr>
<td>34-202Y</td>
<td>8mm Yellow PE Starburst Conical Snap Plug</td>
<td>200</td>
<td>$8.25</td>
</tr>
</tbody>
</table>

**12MM**

For use with 12x32 MM SHELL VIALS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-210Y</td>
<td>12mm Yellow PE Starburst Conical Snap Plug</td>
<td>100</td>
<td>$6.00</td>
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<tr>
<td>34-210</td>
<td>12mm Polymethylene Starburst Conical Snap Plug</td>
<td>100</td>
<td>$5.50</td>
</tr>
<tr>
<td>34-210B</td>
<td>12mm Blue PE Starburst Conical Snap Plug</td>
<td>100</td>
<td>$6.00</td>
</tr>
<tr>
<td>34-210G</td>
<td>12mm Green PE Starburst Conical Snap Plug</td>
<td>100</td>
<td>$6.00</td>
</tr>
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<td>34-210R</td>
<td>12mm Red PE Starburst Conical Snap Plug</td>
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<td>$6.00</td>
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</table>

**15MM**

For use with 15x45 MM SHELL VIALS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>34-215</td>
<td>15mm Polyethylene Starburst Conical Snap Plug</td>
<td>100</td>
<td>$5.65</td>
</tr>
<tr>
<td>34-215B</td>
<td>15mm Blue PE Starburst Conical Snap Plug</td>
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<td>$6.20</td>
</tr>
<tr>
<td>34-215G</td>
<td>15mm Green PE Starburst Conical Snap Plug</td>
<td>100</td>
<td>$6.20</td>
</tr>
<tr>
<td>34-215R</td>
<td>15mm Red PE Starburst Conical Snap Plug</td>
<td>100</td>
<td>$6.20</td>
</tr>
<tr>
<td>34-215Y</td>
<td>15mm Yellow PE Starburst Conical Snap Plug</td>
<td>100</td>
<td>$6.20</td>
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</table>
### SNAP TOP CAPS™

**11MM**

For use with 12 x 32MM SNAP RING™ VIALS

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
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<th>Case Price</th>
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<tr>
<td>34-021B</td>
<td>11mm Blue Snap Cap Seal w/Starburst</td>
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</tr>
<tr>
<td>34-021G</td>
<td>11mm Green Snap Cap Seal w/Starburst</td>
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<tr>
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<td>34-140B</td>
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<tr>
<td>34-140PP</td>
<td>11mm PP Snap Cap, 10mil PTFE</td>
<td>100</td>
<td>15.90</td>
</tr>
<tr>
<td>34-140R</td>
<td>11mm Red Snap Cap, 10mil PTFE</td>
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<td>14.45</td>
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<tr>
<td>34-140Y</td>
<td>11mm Yellow Snap Cap, 10mil PTFE</td>
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<td>14.45</td>
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<tr>
<td>34-142</td>
<td>11mm Clear Snap Cap, PTFE/Natural Rubber</td>
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<tr>
<td>34-142B</td>
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<td>34-142G</td>
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<td>15.50</td>
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<td>34-142PP</td>
<td>11mm PP Snap Cap, PTFE/Natural Rubber</td>
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<td>34-144</td>
<td>11mm Clear Snap Cap, PTFE/Silicone/PTFE</td>
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<td>11mm Blue Snap Cap, PTFE/Silicone/PTFE</td>
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<tr>
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<td>29.15</td>
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<tr>
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<tr>
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<td>27.80</td>
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<tr>
<td>34-149</td>
<td>11mm Clear Snap Cap, Black Viton w/Starburst</td>
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<td>34-050</td>
<td>11mm Clear Snap Cap, Black Viton</td>
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## OPEN TOP CLEAR VIALS

Clear Borosilicate Glass Vials come assembled with reinforced polypropylene closures with your choice of .100 thick or .125 thick TEFLON®/Silicone Septa. Class 2000 and QA analyzed, Class 3000 are washed to EPA Protocol "B"

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SEPTA</th>
<th>ML</th>
<th>CLASS 1000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 2000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 3000 CASE</th>
<th>PRODUCT PRICE</th>
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<tbody>
<tr>
<td>40</td>
<td>.125</td>
<td>9</td>
<td>9-100 24/414 9</td>
<td>9-100-1 $ 6.74</td>
<td>9-100-2 $ 6.74</td>
<td>9-100-3 $ 7.65</td>
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<tr>
<td>40</td>
<td>.125</td>
<td>72</td>
<td>9-102 24/414 72</td>
<td>9-102-1 $ 46.90</td>
<td>9-102-2 $ 46.90</td>
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<tr>
<td>40</td>
<td>.125</td>
<td>100</td>
<td>9-103 24/414 100</td>
<td>9-103-1 $ 61.88</td>
<td>9-103-2 $ 61.88</td>
<td>9-103-3 $ 72.40</td>
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<tr>
<td>40</td>
<td>.125</td>
<td>144</td>
<td>9-104 24/414 144</td>
<td>9-104-1 $ 86.45</td>
<td>9-104-2 $ 86.45</td>
<td>9-104-3 $ 101.00</td>
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<tr>
<td>40</td>
<td>.100</td>
<td>72</td>
<td>9-105 24/414 72</td>
<td>9-105-1 $ 46.90</td>
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<td>9-105-3 $ 53.20</td>
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</tr>
<tr>
<td>20</td>
<td>.125</td>
<td>72</td>
<td>9-106 24/414 72</td>
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<td>9-106-2 $ 46.20</td>
<td>9-106-3 $ 56.00</td>
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<tr>
<td>20</td>
<td>.100</td>
<td>72</td>
<td>9-107 24/414 72</td>
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## OPEN TOP AMBER VIALS

Amber Borosilicate Glass Vials come assembled with reinforced polypropylene closures with your choice of .100 thick or .125 thick TEFLON®/Silicone Septa. Class 2000 and QA analyzed, Class 3000 are washed to EPA protocol "B"

<table>
<thead>
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<th>SIZE</th>
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<th>ML</th>
<th>CLASS 1000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 2000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 3000 CASE</th>
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<tbody>
<tr>
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<td>.125</td>
<td>9</td>
<td>9A-100 24/414 9</td>
<td>9A-100-1 $ 6.74</td>
<td>9A-100-2 $ 6.74</td>
<td>9A-100-3 $ 7.65</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>.125</td>
<td>100</td>
<td>9A-103 24/414 100</td>
<td>9A-103-1 $ 61.88</td>
<td>9A-103-2 $ 61.88</td>
<td>9A-103-3 $ 72.40</td>
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<td></td>
</tr>
<tr>
<td>40</td>
<td>.125</td>
<td>144</td>
<td>9A-104 24/414 144</td>
<td>9A-104-1 $ 86.45</td>
<td>9A-104-2 $ 86.45</td>
<td>9A-104-3 $ 101.00</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40</td>
<td>.100</td>
<td>72</td>
<td>9A-105 24/414 72</td>
<td>9A-105-1 $ 46.90</td>
<td>9A-105-2 $ 46.90</td>
<td>9A-105-3 $ 53.20</td>
<td></td>
<td></td>
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<tr>
<td>20</td>
<td>.100</td>
<td>72</td>
<td>9A-107 24/414 72</td>
<td>9A-107-1 $ 46.20</td>
<td>9A-107-2 $ 46.20</td>
<td>9A-107-3 $ 56.00</td>
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## CLOSED TOP CLEAR VIALS

Clear Borosilicate Glass Vials come assembled with reinforced polypropylene closures and .015 thick TEFLON® Liner. Class 2000 and QA analyzed, Class 3000 are washed to EPA protocol "B"

<table>
<thead>
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<th>SIZE</th>
<th>CAP</th>
<th>ML</th>
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<th>PRODUCT PRICE</th>
<th>CLASS 2000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 3000 CASE</th>
<th>PRODUCT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>24/414</td>
<td>72</td>
<td>9A-121 24/414 72</td>
<td>$33.60</td>
<td>9A-121-2 $33.60</td>
<td>9A-121-3 $49.00</td>
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## AMBER VIALS

Amber Borosilicate Glass Vials come assembled with reinforced polypropylene closures and .015 thick TEFLON® Liner. Class 2000 and QA analyzed, Class 3000 are washed to EPA protocol "B"

<table>
<thead>
<tr>
<th>SIZE</th>
<th>CAP</th>
<th>ML</th>
<th>CLASS 1000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 2000 CASE</th>
<th>PRODUCT PRICE</th>
<th>CLASS 3000 CASE</th>
<th>PRODUCT PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>24/414</td>
<td>72</td>
<td>9A-120 24/414 72</td>
<td>$40.60</td>
<td>9A-120-2 $40.60</td>
<td>9A-120-3 $56.00</td>
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<td></td>
</tr>
<tr>
<td>20</td>
<td>24/414</td>
<td>72</td>
<td>9A-121 24/414 72</td>
<td>$37.80</td>
<td>9A-121-2 $37.80</td>
<td>9A-121-3 $53.20</td>
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</table>
**PATENTED .125” TOP HAT™ SEPTA OPEN TOP CAP WITH PATENTED TOP HAT SEPTA**

The patented design of the molded TOP HAT™ Septa, .125 Thick Teflon®/Silicone, locks into the cap securely. Available with Clear or Amber Borosilicate glass assembled with reinforced polypropylene closures. Class 2000 and QA analyzed, Class 3000 are washed to EPA protocol “B”

<table>
<thead>
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<th>Amber</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
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<td>9-130</td>
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</tr>
<tr>
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<td>24/414</td>
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<td>9A-130</td>
<td>44.80</td>
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<td>24/414</td>
<td>72</td>
<td>9-131</td>
<td>39.20</td>
</tr>
<tr>
<td>20</td>
<td>24/414</td>
<td>72</td>
<td>9A-131</td>
<td>42.00</td>
</tr>
<tr>
<td>60</td>
<td>24/414</td>
<td>72</td>
<td>9-132</td>
<td>21.00</td>
</tr>
<tr>
<td>60</td>
<td>24/414</td>
<td>72</td>
<td>9A-132</td>
<td>25.20</td>
</tr>
</tbody>
</table>

**WIDE MOUTH SEPTUM JARS**

CLEAR WIDE MOUTH SEPTUM JARS with open top caps and a TEFLO®/Silicone Septa ultrasonically welded into the closure.

<table>
<thead>
<tr>
<th>Size</th>
<th>Clear</th>
<th>Amber</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>2 (short)</td>
<td>24</td>
<td>53/400</td>
<td>9-140</td>
</tr>
<tr>
<td>125</td>
<td>4 (tall)</td>
<td>24</td>
<td>48/400</td>
<td>9-141</td>
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<tr>
<td>250</td>
<td>8 (tall)</td>
<td>12</td>
<td>58/400</td>
<td>9-142</td>
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</table>

AMBER WIDE MOUTH GLASS SEPTUM JARS with open top caps and a TEFLO®/Silicone Septa ultrasonically welded into the closure.

<table>
<thead>
<tr>
<th>Size</th>
<th>Clear</th>
<th>Amber</th>
<th>Size</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>500</td>
<td>16</td>
<td>12</td>
<td>53/400</td>
<td>9-150</td>
</tr>
<tr>
<td>1000</td>
<td>32</td>
<td>12</td>
<td>53/400</td>
<td>9-151</td>
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</table>

**SEPTUM BOTTLES**

CLEAR GLASS SEPTUM BOTTLES with open top closure and TEFLO®/Silicone Septa.

<table>
<thead>
<tr>
<th>Size</th>
<th>Clear</th>
<th>Amber</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>1</td>
<td>24</td>
<td>20/400</td>
<td>9-160</td>
</tr>
<tr>
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<td>24</td>
<td>20/400</td>
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<td>125</td>
<td>4</td>
<td>24</td>
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</tr>
<tr>
<td>250</td>
<td>8</td>
<td>12</td>
<td>24/400</td>
<td>9-163</td>
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</table>

AMBER GLASS SEPTUM BOTTLES with open top closure and TEFLO®/Silicone Septa.

<table>
<thead>
<tr>
<th>Size</th>
<th>Clear</th>
<th>Amber</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>1</td>
<td>24</td>
<td>20/400</td>
<td>9A-160</td>
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<tr>
<td>60</td>
<td>2</td>
<td>24</td>
<td>20/400</td>
<td>9A-161</td>
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<tr>
<td>125</td>
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<tr>
<td>250</td>
<td>8</td>
<td>12</td>
<td>24/400</td>
<td>9A-163</td>
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Septum Bottles come with open top polypropylene caps and Teflon®/Silicone Septa. Cleaning procedures are described on page 150
BOSTON ROUND BOTTLES AMBER GLASS

Ideal for UV light-sensitive liquid samples
AMBER GLASS BOSTON ROUND BOTTLES with .015” Teflon® lined closed top polypropylene closures.

<table>
<thead>
<tr>
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<th>SIZE</th>
<th>CASE</th>
<th>CAP</th>
<th>CLASS 1000 PRODUCT NUMBER</th>
<th>PRICE</th>
<th>CLASS 2000 PRODUCT NUMBER</th>
<th>PRICE</th>
<th>CLASS 3000 PRODUCT NUMBER</th>
<th>PRICE</th>
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</thead>
<tbody>
<tr>
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<td>3300/400</td>
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<td>20.02</td>
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<td>9A176-2</td>
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</table>

BOSTON ROUND BOTTLES CLEAR GLASS

Clear glass BOSTON ROUND BOTTLES with .015” Teflon® lined closed top polypropylene closures.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SIZE</th>
<th>CASE</th>
<th>CAP</th>
<th>CLASS 1000 PRODUCT NUMBER</th>
<th>PRICE</th>
<th>CLASS 2000 PRODUCT NUMBER</th>
<th>PRICE</th>
<th>CLASS 3000 PRODUCT NUMBER</th>
<th>PRICE</th>
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<tbody>
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SHORT WIDE MOUTH CLEAR GLASS JARS

Ideal for use in soil, sediment and sludge sampling
CLEAR GLASS SHORT WIDE MOUTH JARS with .015” Teflon® lined closed top polypropylene closures.

<table>
<thead>
<tr>
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## Tall Wide Mouth Jars

Ideal for use in soil, sludge and sediment sampling. Tall Wide Mouth Jars come with Teflon® lined polypropylene closures. Cleaning procedures are described on page 150.

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<td>9-194</td>
<td>21.00</td>
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</table>

## High Density Polyethylene Bottles and Jars

For use in metals analyses. Save 20% by buying our bulk quantity box.

**Wide Mouth**

High Density Natural Polyethylene Jars with foamed polyethylene lined polypropylene closures.

<table>
<thead>
<tr>
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<th>Case</th>
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<td>89/400</td>
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<td>89/400</td>
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<td>9-207</td>
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<tr>
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**Narrow Mouth**

Cylinder Round High Density Natural Polyethylene Bottle with foamed polyethylene lined polypropylene closures.

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<td>24</td>
<td>24/400</td>
<td>9-211</td>
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<tr>
<td>250</td>
<td>8</td>
<td>230</td>
<td>24/400</td>
<td>9-211B</td>
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<td>24/400</td>
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<td>144</td>
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<td>4000</td>
<td>128</td>
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<td>33/400</td>
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## AMBER GLASS WIDE MOUTH PACKER

Ideal for UV light-sensitive samples.

AMBER GLASS WIDE MOUTH PACKERS are available with .015” Teflon® lined closed top polypropylene closures.

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<thead>
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<td>30</td>
<td>1</td>
<td>24</td>
<td>28/400</td>
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<td>9-221</td>
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<td>38/400</td>
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<td>24</td>
<td>45/400</td>
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<td>15.54</td>
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<td>500</td>
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<td>53/400</td>
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<tr>
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<td>53/400</td>
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<tr>
<td>2360</td>
<td>80</td>
<td>12</td>
<td>70/400</td>
<td>9-226</td>
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</table>

Amber Glass Wide Mouth Packers come assembled with Teflon® lined polypropylene closures. Cleaning procedures are described on page 150.

## SILANE TREATED VIALS

Autosampler vials are treated by silylation. Active Silanol groups on untreated glass surfaces can absorb sample compounds, causing low recovery. Silylation inactivates glass vials, improving sample recovery.

### 8 MM Threaded

<table>
<thead>
<tr>
<th>VIAL DESCRIPTION</th>
<th>CAP SIZE</th>
<th>LINER TYPE</th>
<th>CASE PACK</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 x 32 MM Clear</td>
<td>8 MM/425</td>
<td>PTFE</td>
<td>100</td>
<td>9-230</td>
<td>$36.00</td>
</tr>
<tr>
<td>12 x 32 MM Amber</td>
<td>8 MM/425</td>
<td>PTFE</td>
<td>100</td>
<td>9A-230</td>
<td>37.65</td>
</tr>
<tr>
<td>12 x 32 MM Clear</td>
<td>8 MM/425</td>
<td>PTFE/Silicone</td>
<td>100</td>
<td>9-231</td>
<td>42.00</td>
</tr>
<tr>
<td>12 x 32 MM Amber</td>
<td>8 MM/425</td>
<td>PTFE/Silicone</td>
<td>100</td>
<td>9A-231</td>
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### 11 MM Snap Ring with Snap Top Cap*

<table>
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<th>CASE PACK</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 x 32 MM Clear</td>
<td>11 MM Snap Cap</td>
<td>PTFE</td>
<td>100</td>
<td>9-232</td>
<td>$38.25</td>
</tr>
<tr>
<td>12 x 32 MM Amber</td>
<td>11 MM Snap Cap</td>
<td>PTFE</td>
<td>100</td>
<td>9A-232</td>
<td>38.63</td>
</tr>
<tr>
<td>12 x 32 MM Clear</td>
<td>11 MM Snap Cap</td>
<td>PTFE/Silicone</td>
<td>100</td>
<td>9-233</td>
<td>45.15</td>
</tr>
<tr>
<td>12 x 32 MM Amber</td>
<td>11 MM Snap Cap</td>
<td>PTFE/Silicone</td>
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<td>9A-233</td>
<td>45.75</td>
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### 13 MM Threaded

<table>
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<th>PRICE</th>
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<tbody>
<tr>
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<td>13 MM/425</td>
<td>PTFE</td>
<td>100</td>
<td>9-234</td>
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</tr>
<tr>
<td>15 x 45 MM Amber</td>
<td>13 MM/425</td>
<td>PTFE</td>
<td>100</td>
<td>9A-234</td>
<td>37.80</td>
</tr>
<tr>
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<td>13 MM/425</td>
<td>PTFE/Silicone</td>
<td>100</td>
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### 13 MM Snap Ring with Snap Cap*

<table>
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<td>9A-237</td>
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</table>
# PRECLEANED AUTOSAMPLER VIALS

AUTOSAMPLER VIALS come assembled with vial, closure and liner. Vial, closure and liner are washed according to EPA Protocol "B". Other cleaning methods are available upon request. Vials are made of Borosilicate Glass, Clear or Amber and come assembled with your choice of a variety of liner types shown below. Vials are also available with a certificate of analysis, Class 3000.

<table>
<thead>
<tr>
<th>VIAL DESCRIPTION</th>
<th>CAP TYPE</th>
<th>LINER TYPE</th>
<th>CASE PACK</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
<th>CASE NUMBER</th>
<th>PRICE</th>
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<table>
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<th>PRODUCT NUMBER</th>
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</thead>
<tbody>
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<td>100</td>
<td>9-265</td>
<td>48.40</td>
<td>9-265-2</td>
<td>58.59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VIAL DESCRIPTION</th>
<th>CAP TYPE</th>
<th>LINER TYPE</th>
<th>CASE PACK</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
<th>CASE NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 X 45 MM Clear</td>
<td>13 MM Snap Cap*</td>
<td>PTFE</td>
<td>100</td>
<td>9-270</td>
<td>$33.39</td>
<td>9-270-2</td>
<td>$45.08</td>
</tr>
<tr>
<td>15 X 45 MM Amber</td>
<td>13 MM Snap Cap*</td>
<td>PTFE</td>
<td>100</td>
<td>9-271</td>
<td>33.67</td>
<td>9-271-2</td>
<td>45.50</td>
</tr>
<tr>
<td>15 X 45 MM Clear</td>
<td>13 MM Snap Cap*</td>
<td>PTFE/Silicone</td>
<td>100</td>
<td>9-272</td>
<td>40.39</td>
<td>9-272-2</td>
<td>54.60</td>
</tr>
<tr>
<td>15 X 45 MM Amber</td>
<td>13 MM Snap Cap*</td>
<td>PTFE/Silicone</td>
<td>100</td>
<td>9-273</td>
<td>40.67</td>
<td>9-273-2</td>
<td>54.95</td>
</tr>
</tbody>
</table>
WHIRL-PAK® DISPOSABLE SAMPLING BAGS

ALL WHIRL-PAK® BAGS are made of heavy transparent polyethylene. WHIRL-PAK® BAGS are sterilized, easy to store, disposable, economical, and are ideal for liquid or solid samples. WHIRL-PAK® BAGS are also available with a white write-on strip for identification with a ball point pen, pencil or felt tip marker.

<table>
<thead>
<tr>
<th>CAPACITY</th>
<th>SIZE</th>
<th>CASE</th>
<th>PRODUCT</th>
<th>PRICE</th>
<th>PRODUCT</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 OZ.</td>
<td>3x5</td>
<td>500</td>
<td>9-280</td>
<td>30.60</td>
<td>9-280W</td>
<td>32.80</td>
</tr>
<tr>
<td>4 OZ.</td>
<td>3x7</td>
<td>500</td>
<td>9-281</td>
<td>31.45</td>
<td>9-281W</td>
<td>33.65</td>
</tr>
<tr>
<td>18 OZ.</td>
<td>4 1/2 x 9</td>
<td>500</td>
<td>9-282</td>
<td>44.35</td>
<td>9-282W</td>
<td>47.60</td>
</tr>
<tr>
<td>24 OZ.</td>
<td>6x9</td>
<td>500</td>
<td>9-283</td>
<td>54.65</td>
<td>9-283W</td>
<td>76.30</td>
</tr>
<tr>
<td>36 OZ.</td>
<td>5x15</td>
<td>500</td>
<td>9-284</td>
<td>70.80</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WHIRL-PAK® SODIUM THIOSULFATE BAGS

ALL WHIRL-PAK® SODIUM THIOSULFATE BAGS are approved for collection of microbiological samples for “Natural Pollutant Discharge Elimination System” (NPDES) compliance monitoring. This EPA approved, heavy transparent polyethylene bag is sterile and contains a non-toxic, non nutritive, 10ml. active ingredient tablet of sodium thiosulfate to neutralize the chlorine at point of collection. Bags have a white write-on strip for sample identification.

<table>
<thead>
<tr>
<th>CAPACITY OZ.</th>
<th>CASE PACK</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 OZ. (Holds 120 ML. Sample)</td>
<td>100</td>
<td>9-290</td>
<td>$15.10</td>
</tr>
<tr>
<td>18 OZ. (Holds 300 ML. Sample)</td>
<td>100</td>
<td>9-291</td>
<td>$33.45</td>
</tr>
</tbody>
</table>

PLASTIC COATED RACKS

PLASTIC COATED RACKS for storing and transporting Whirl-pak® BAGS.

<table>
<thead>
<tr>
<th>SIZE</th>
<th>NUMBER OF COMPARTMENTS</th>
<th>TO FIT BAG SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 3/4 x 12 3/4 x 3</td>
<td>21</td>
<td>2 OZ., 6 OZ.</td>
<td>9-292</td>
<td>$19.50</td>
</tr>
<tr>
<td>10 3/4 x 10 3/4 x 3 1/4</td>
<td>12</td>
<td>18 OZ., 24 OZ.</td>
<td>9-293</td>
<td>$23.65</td>
</tr>
</tbody>
</table>

WATER SAMPLE CONTAINER (PET)

Designed specifically for microbiological water testing, these 500ml bottles are used throughout the laboratory sector for their convenience and reliability. Unique square design, easily packed and stored. Easy to handle when collecting sample and writing on label. Clear and robust PET bottle. Leakproof bore seal polypropylene cap (recycling logo on base). Tamper evident to maintain sterility. Sterilized by gamma irradiation. Wide neck to minimize risk of contamination. Dosed with Sodium Thiosulphate for the neutralization of free and residual Chlorine. Also available undosed. Printed write-on label allows for full sample details. Individual labels are labeled with lot number and expiration date (up to 12 months).

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Volume ml</th>
<th>Sterility</th>
<th>Closure Size mm</th>
<th>No./case</th>
<th>Price/case</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-300</td>
<td>Dosed with Sodium Thiosulphate</td>
<td>500</td>
<td>Ir</td>
<td>38</td>
<td>70</td>
<td>$285.00</td>
</tr>
<tr>
<td>9-301</td>
<td>Undosed</td>
<td>500</td>
<td>Ir</td>
<td>38</td>
<td>70</td>
<td>$259.00</td>
</tr>
</tbody>
</table>
SAFETY COATED CONTAINERS

Containers are coated with an impact resistant thermoplastic. Safety coating provides a new, added level of safety and convenience. In the event the container breaks, the coating safely contains the contents long enough for proper disposal. The coating strength, slip resistance, and impact absorption dramatically reduced potential breakage and increases manual handling stability. All bottles and jars are assembled with a polypropylene closure lined with .015 TEFLO®.

BOSTON ROUND BOTTLES CLEAR AND AMBER

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SIZE</th>
<th>CASE</th>
<th>CAP</th>
<th>CLEAR/AMBER</th>
<th>PRODUCT</th>
<th>NUMBER</th>
<th>PRICE</th>
<th>PRODUCT</th>
<th>NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML</td>
<td>OZ</td>
<td>PACK</td>
<td>SIZE</td>
<td>CLEAR</td>
<td>AMBER</td>
<td>9-310</td>
<td>21.00</td>
<td>9-310-2</td>
<td>28.50</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>8</td>
<td>12</td>
<td>24/400</td>
<td>Clear</td>
<td>Amber</td>
<td>9A-310</td>
<td>21.00</td>
<td>9A-310-2</td>
<td>28.50</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>16</td>
<td>12</td>
<td>28/400</td>
<td>Clear</td>
<td>Amber</td>
<td>9A-311</td>
<td>24.64</td>
<td>9A-311-2</td>
<td>33.30</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>32</td>
<td>12</td>
<td>33/430</td>
<td>Clear</td>
<td>Amber</td>
<td>9A-312</td>
<td>38.40</td>
<td>9A-312-2</td>
<td>51.83</td>
<td></td>
</tr>
<tr>
<td>2360</td>
<td>80</td>
<td>6</td>
<td>38/439</td>
<td>Clear</td>
<td>Amber</td>
<td>9A-313</td>
<td>38.40</td>
<td>9A-313-2</td>
<td>51.90</td>
<td></td>
</tr>
<tr>
<td>4000</td>
<td>128</td>
<td>4</td>
<td>38/434</td>
<td>Amber</td>
<td></td>
<td>9A-314</td>
<td>46.88</td>
<td>9A-314-2</td>
<td>63.00</td>
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</table>

AMBER GLASS WIDE MOUTH PACKER

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SIZE</th>
<th>CASE</th>
<th>CAP</th>
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<th>CASE</th>
<th>NUMBER</th>
<th>PRICE</th>
<th>PRODUCT</th>
<th>NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML</td>
<td>OZ</td>
<td>PACK</td>
<td>SIZE</td>
<td>NUMBER</td>
<td>PRICE</td>
<td>9-320</td>
<td>$48.12</td>
<td>9-320-2</td>
<td>$64.50</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>16</td>
<td>12</td>
<td>53/400</td>
<td>9-321</td>
<td>34.50</td>
<td>9-321-2</td>
<td>46.58</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>950</td>
<td>32</td>
<td>12</td>
<td>53/400</td>
<td>9-322</td>
<td>41.85</td>
<td>9-322-2</td>
<td>56.49</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2500</td>
<td>80</td>
<td>6</td>
<td>70/400</td>
<td>9-323</td>
<td>98.25</td>
<td>9-323-2</td>
<td>132.75</td>
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<td></td>
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</table>

CLEAR GLASS WIDE MOUTH JARS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>SIZE</th>
<th>CASE</th>
<th>CAP</th>
<th>PRODUCT</th>
<th>CASE</th>
<th>NUMBER</th>
<th>PRICE</th>
<th>PRODUCT</th>
<th>NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ML</td>
<td>OZ</td>
<td>PACK</td>
<td>SIZE</td>
<td>NUMBER</td>
<td>PRICE</td>
<td>9-330</td>
<td>$56.10</td>
<td>9-330-2</td>
<td>$75.74</td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>16</td>
<td>12</td>
<td>70/400</td>
<td>9-331</td>
<td>30.45</td>
<td>9-331-2</td>
<td>41.10</td>
<td></td>
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<tr>
<td>1000</td>
<td>32</td>
<td>12</td>
<td>70/400</td>
<td>9-332</td>
<td>38.78</td>
<td>9-332-2</td>
<td>52.35</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## REPLACEMENT TEFLON®/SILICONE SEPTA AND TEFLON® CAP LINERS

### TEFLON® CAP LINERS .015” THICK
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20mm</td>
<td>9-340</td>
<td>$4.34</td>
</tr>
<tr>
<td>22mm</td>
<td>9-341</td>
<td>4.84</td>
</tr>
<tr>
<td>24mm</td>
<td>9-342</td>
<td>6.05</td>
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<tr>
<td>28mm</td>
<td>9-343</td>
<td>7.87</td>
</tr>
<tr>
<td>33mm</td>
<td>9-344</td>
<td>8.06</td>
</tr>
<tr>
<td>38mm</td>
<td>9-345</td>
<td>10.70</td>
</tr>
<tr>
<td>45mm</td>
<td>9-346</td>
<td>13.10</td>
</tr>
<tr>
<td>48mm</td>
<td>9-347</td>
<td>16.13</td>
</tr>
<tr>
<td>53mm</td>
<td>9-348</td>
<td>18.56</td>
</tr>
<tr>
<td>58mm</td>
<td>9-349</td>
<td>19.96</td>
</tr>
<tr>
<td>63mm</td>
<td>9-350</td>
<td>29.03</td>
</tr>
<tr>
<td>70mm</td>
<td>9-351</td>
<td>31.67</td>
</tr>
<tr>
<td>89mm</td>
<td>9-352</td>
<td>54.42</td>
</tr>
</tbody>
</table>

### SEPTA CAPS POLYPROPYLENE OPEN TOP CLOSURES WITH ULTRASONICALLY WELDED TEFLON®/SILICONE SEPTA
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>48/400</td>
<td>9-360</td>
<td>$96.00</td>
</tr>
<tr>
<td>53/400</td>
<td>9-361</td>
<td>97.00</td>
</tr>
<tr>
<td>58/414</td>
<td>9-362</td>
<td>98.00</td>
</tr>
</tbody>
</table>

### TEFLON®/SILICONE SEPTA .125” THICK .005
TEFLON®/.120 SILICONE
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>24mm</td>
<td>9-365</td>
<td>$20.16</td>
</tr>
</tbody>
</table>

### CLOSED TOP POLYPROPYLENE CLOSURES LINERLESS
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/400</td>
<td>9-380</td>
<td>$3.88</td>
</tr>
<tr>
<td>22/400</td>
<td>9-381</td>
<td>3.95</td>
</tr>
<tr>
<td>24/400</td>
<td>9-382</td>
<td>4.00</td>
</tr>
<tr>
<td>28/400</td>
<td>9-383</td>
<td>4.05</td>
</tr>
<tr>
<td>33/400</td>
<td>9-384</td>
<td>4.15</td>
</tr>
<tr>
<td>38/400</td>
<td>9-385</td>
<td>4.20</td>
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<tr>
<td>45/400</td>
<td>9-386</td>
<td>4.31</td>
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<tr>
<td>48/400</td>
<td>9-387</td>
<td>4.65</td>
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<tr>
<td>53/400</td>
<td>9-388</td>
<td>5.46</td>
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<tr>
<td>58/400</td>
<td>9-389</td>
<td>5.60</td>
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<tr>
<td>63/400</td>
<td>9-390</td>
<td>6.24</td>
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<tr>
<td>70/400</td>
<td>9-391</td>
<td>7.00</td>
</tr>
<tr>
<td>89/400</td>
<td>9-392</td>
<td>17.98</td>
</tr>
</tbody>
</table>

### CLOSED TOP POLYPROPYLENE CLOSURES WITH POLYETHYLENE FOAM LINER (F217)
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/410</td>
<td>9-400</td>
<td>$5.74</td>
</tr>
<tr>
<td>22/410</td>
<td>9-401</td>
<td>4.59</td>
</tr>
<tr>
<td>24/414</td>
<td>9-402</td>
<td>5.04</td>
</tr>
<tr>
<td>28/400</td>
<td>9-403</td>
<td>5.11</td>
</tr>
<tr>
<td>33/400</td>
<td>9-404</td>
<td>5.39</td>
</tr>
<tr>
<td>38/400</td>
<td>9-405</td>
<td>5.60</td>
</tr>
<tr>
<td>45/400</td>
<td>9-406</td>
<td>5.90</td>
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<td>53/400</td>
<td>9-407</td>
<td>7.78</td>
</tr>
<tr>
<td>63/400</td>
<td>9-408</td>
<td>9.86</td>
</tr>
<tr>
<td>70/400</td>
<td>9-409</td>
<td>11.98</td>
</tr>
<tr>
<td>83/400</td>
<td>9-410</td>
<td>22.26</td>
</tr>
<tr>
<td>89/400</td>
<td>9-411</td>
<td>25.42</td>
</tr>
</tbody>
</table>

### CLOSED TOP POLYPROPYLENE CLOSURES WITH .015” TEFLON®/LINER
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/400</td>
<td>9-420</td>
<td>$9.27</td>
</tr>
<tr>
<td>22/400</td>
<td>9-421</td>
<td>9.98</td>
</tr>
<tr>
<td>24/414</td>
<td>9-422</td>
<td>11.09</td>
</tr>
<tr>
<td>28/400</td>
<td>9-423</td>
<td>11.20</td>
</tr>
<tr>
<td>33/400</td>
<td>9-424</td>
<td>11.20</td>
</tr>
<tr>
<td>38/400</td>
<td>9-425</td>
<td>13.92</td>
</tr>
<tr>
<td>45/400</td>
<td>9-426</td>
<td>17.14</td>
</tr>
<tr>
<td>48/400</td>
<td>9-427</td>
<td>20.79</td>
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<tr>
<td>53/400</td>
<td>9-428</td>
<td>24.08</td>
</tr>
<tr>
<td>58/400</td>
<td>9-429</td>
<td>25.65</td>
</tr>
<tr>
<td>63/400</td>
<td>9-430</td>
<td>35.28</td>
</tr>
<tr>
<td>70/400</td>
<td>9-431</td>
<td>38.64</td>
</tr>
<tr>
<td>89/400</td>
<td>9-432</td>
<td>69.93</td>
</tr>
</tbody>
</table>

### OPEN TOP POLYPROPYLENE CLOSURES LINERLESS
72 PIECES PER PACK

<table>
<thead>
<tr>
<th>CAP SIZE</th>
<th>PRODUCT NUMBER</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>20/400</td>
<td>9-440</td>
<td>$5.30</td>
</tr>
<tr>
<td>22/400</td>
<td>9-441</td>
<td>5.40</td>
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<td>24/414</td>
<td>9-442</td>
<td>5.45</td>
</tr>
<tr>
<td>28/400</td>
<td>9-443</td>
<td>5.50</td>
</tr>
</tbody>
</table>
CONTAINERS CAN BE PREPARED IN ONE OF THREE WAYS

CLASS 1000
Containers are assembled with Liner and Closure without EPA washing treatment.

CLASS 2000
Containers, Liner, and Closure are cleaned according to EPA Guidelines and assembled.

CLASS 3000
Container, Liner and Closure are cleaned according to EPA Guidelines assembled and quality assurance analyzed.

An independent laboratory is used to certify the containers cleanliness, assuring impartial results.

CONTAINERS CAN BE CLEANED TO ONE OF THE FOLLOWING EPA PROCEDURES

CLEANING PROCEDURE “A”
Wash containers with laboratory grade non-phosphate detergent, multiple tap water and ASTM type I deionized water rinses and 1:1 HNO₃ (Nitric Acid). Containers are oven dried at 125°C.

CLEANING PROCEDURE “B”
Wash containers with laboratory grade non-phosphate detergent, multiple tap water and ASTM type I deionized water rinses. Containers are oven dried at 125°C.

CLEANING PROCEDURE “C”
Wash plastic containers with laboratory grade non-phosphate detergent, multiple tap water and ASTM type I deionized water rinses and 1:1 HNO₃ (Nitric Acid) rinses. Containers are air dried.

Containers are washed to Procedure “B” unless specified otherwise.

GLASS COILIWASIS

- Easy to use
- Liquid-tight Teflon® seal
- Teflon seal design permits sampling to within 1/2” of drum bottom
- Prescored for disposal after a single use, or unscorred for repeated use

When sample has been collected, lower and press lightly on the inner tube, which positively seats the Teflon seal, locking the sample column into place. Unit is 7/8” x 42” long and has a tapered bottom with approximately 1/2” diameter opening. Sample capacity of 200 mL.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Material</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposable Unit</td>
<td>9-450</td>
<td>Prescored Soda lime glass</td>
<td>12</td>
<td>$81.68</td>
</tr>
<tr>
<td>Reusable Unit</td>
<td>9-451</td>
<td>Unscored Type I borosilicate glass</td>
<td>12</td>
<td>$199.91</td>
</tr>
<tr>
<td></td>
<td>9-452</td>
<td>Prescored Type I borosilicate glass</td>
<td>12</td>
<td>200.76</td>
</tr>
<tr>
<td></td>
<td>9-453</td>
<td>Replacement seals Teflon</td>
<td>10</td>
<td>20.60</td>
</tr>
</tbody>
</table>
### COLIFORM TESTING WATER SAMPLING BOTTLE

120ml Polypropylene Hinged-Cap Bottle is sterilized, has a tamper evident shrink seal, and is preserved with a sodium thiosulfate tablet. Bottle has 100ml line markings to aid in sample collection.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Case Quantity</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-470</td>
<td>250</td>
<td>$69.00</td>
</tr>
</tbody>
</table>

120ml Polypropylene Hinged-Cap Bottle is sterilized, has a tamper evident custody top. Not Preserved. Bottle has 100ml line markings to aid in taking samples.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Case Quantity</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-474</td>
<td>250</td>
<td>$59.00</td>
</tr>
</tbody>
</table>

120ml Polypropylene Economy Bottle with Screw Cap. Not Sterilized and without preservative. Bottle has a mark indicating the 100ml line to aid in taking samples.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Case Quantity</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-476</td>
<td>250</td>
<td>$56.00</td>
</tr>
</tbody>
</table>

### BLACK BOD BOTTLE

This bottle is ideal for the light bottle/dark bottle method. A standard 300ml borosilicate glass BOD bottle with a heavy coating of black plasticol to block light rays in the range of 4000 to 8000 angstrom units. Inhibits production of oxygen by algae. For use in marine photo-synthesis projects where a comparison of oxygen in a light and dark bottle is required. Complete with ground glass stopper and opaque black cap. A foam insert in cap holds stopper in place during rough handling.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-505</td>
<td>300</td>
<td>$254.81</td>
</tr>
</tbody>
</table>

### BOD BOTTLE STOPPERS

Glass Replacement ground glass stoppers for BOD bottles.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-508</td>
<td>12</td>
<td>$31.20</td>
</tr>
</tbody>
</table>

Plastic Replacement Acrylic stoppers for BOD bottles.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-509</td>
<td>12</td>
<td>$31.20</td>
</tr>
</tbody>
</table>

### OPEN-ENDED DRUM THIEVES

**Glass Units**
Soda lime glass units can be easily broken for quick disposal.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Approx Capacity ml*</th>
<th>Diameter mm</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-455</td>
<td>25</td>
<td>7.5</td>
<td>100</td>
<td>$95.14</td>
</tr>
<tr>
<td>9-456</td>
<td>75</td>
<td>12</td>
<td>24</td>
<td>44.72</td>
</tr>
<tr>
<td>9-457</td>
<td>150</td>
<td>18</td>
<td>24</td>
<td>64.13</td>
</tr>
</tbody>
</table>

**Stainless Steel Units**
Constructed of 304 stainless steel, units are reusable. These units are 43” long.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Approx Capacity ml*</th>
<th>Diameter Inches</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-458</td>
<td>25</td>
<td>3/8</td>
<td>2</td>
<td>$136.13</td>
</tr>
<tr>
<td>9-459</td>
<td>75</td>
<td>1/2</td>
<td>2</td>
<td>166.88</td>
</tr>
</tbody>
</table>
BAR CODED BOD BOTTLES WITH PLASTIC STOPPERS

For incubating diluted samples of sewage, sewage effluents, polluted waters and industrial wastes to determine the amount of oxygen required during stabilization of the decomposable organic matter by aerobic biochemical action. See Standard Methods for the Examination of Water and Wastewater, 18th Edition, p. 5210B.

Wheaton 300 mL BOD Bottles are now offered with bar coding and new expanded labels permanently screened with easy-to-read numbers for recording accuracy. Clear break-resistant acrylic stoppers facilitate robotic manipulation.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Sequence</th>
<th>Dia x Hgt</th>
<th>Approx Neck</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-480</td>
<td>Un-numbered</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>$184.00</td>
<td></td>
</tr>
<tr>
<td>9-481</td>
<td>1 - 24</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-482</td>
<td>49 - 72</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-483</td>
<td>73 - 96</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-484</td>
<td>97 - 120</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-485</td>
<td>121 - 144</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-486</td>
<td>145 - 168</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-487</td>
<td>169 - 192</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-488</td>
<td>193 - 216</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-489</td>
<td>217 - 240</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-490</td>
<td>241 - 264</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-491</td>
<td>265 - 288</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-492</td>
<td>289 - 312</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-493</td>
<td>313 - 336</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-494</td>
<td>337 - 360</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-495</td>
<td>361 - 384</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-496</td>
<td>385 - 408</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-497</td>
<td>409 - 432</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>192.00</td>
<td></td>
</tr>
<tr>
<td>9-498</td>
<td>Un-numbered</td>
<td>69 x 165</td>
<td>16.7</td>
<td>24</td>
<td>145.70</td>
<td></td>
</tr>
</tbody>
</table>

Without Stopper

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Dia x Hgt</th>
<th>Approx Neck</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-500</td>
<td>Un-numbered</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>$395.00</td>
</tr>
<tr>
<td>9-501</td>
<td>1 - 36</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>463.00</td>
</tr>
<tr>
<td>9-502</td>
<td>37 - 72</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>463.00</td>
</tr>
<tr>
<td>9-503</td>
<td>73 - 108</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>463.00</td>
</tr>
</tbody>
</table>

TEDLAR® AND TEFLOW® GAS SAMPLE BAGS

- Low permeability
- Minimal sample loss
- Reusable/cleanable
- Non-contaminating
- Chemically inert
- No plasticizers
- Leak tested
- Mechanically strong

with POLYPROPYLENE 2-N-1® COMBINATION ON/OFF VALVE & SEPTUM FITTING

<table>
<thead>
<tr>
<th>Size</th>
<th>Capacity</th>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inches</td>
<td>Liters</td>
<td>Number</td>
<td>Each</td>
</tr>
<tr>
<td>7x7</td>
<td>1</td>
<td>9-510</td>
<td>$8.63</td>
</tr>
<tr>
<td>9x12</td>
<td>2</td>
<td>9-511</td>
<td>10.32</td>
</tr>
<tr>
<td>12x12</td>
<td>5</td>
<td>9-512</td>
<td>11.36</td>
</tr>
<tr>
<td>12x19</td>
<td>10</td>
<td>9-513</td>
<td>13.85</td>
</tr>
<tr>
<td>18x24</td>
<td>25</td>
<td>9-514</td>
<td>18.11</td>
</tr>
</tbody>
</table>

Prices include polypropylene “2-N-1” combination valve and septum fitting shown above. Stem is 3/16” O.D. and is suitable for use with most 1/4” O.D. plastic and teflon tubing.

WHEATON BOD BOTTLES

These 60 mL BOD Bottles are used for incubating diluted samples of sewage, sewage effluents, polluted waters and industrial wastes to determine the amount of oxygen required during stabilization of the decomposable organic matter by aerobic biochemical action. See Water and Wastewater, 18th Edition, 1992.

Interchangeable ground stoppers are tapered to prevent air entrapment. Bottles have a flared lip for water seal. Samples are easy to identify with a white marking area on the bottles. Bottles are also numbered in sequence. Manufactured from Wheaton “400” glass.

Note: For special orders, a 35% surcharge will be added.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Sequence</th>
<th>Dia x Hgt</th>
<th>Approx Neck</th>
<th>Case</th>
<th>Pack</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-500</td>
<td>Un-numbered</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>$395.00</td>
<td></td>
</tr>
<tr>
<td>9-501</td>
<td>1 - 36</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>463.00</td>
<td></td>
</tr>
<tr>
<td>9-502</td>
<td>37 - 72</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>463.00</td>
<td></td>
</tr>
<tr>
<td>9-503</td>
<td>73 - 108</td>
<td>43 x 115</td>
<td>16.7</td>
<td>36</td>
<td>463.00</td>
<td></td>
</tr>
</tbody>
</table>

POLYETHYLENE DISPOSABLE BAILERS

- Virgin HDPE
- 1.5” Diameter
- Each unit has bottom emptying device
- Available non-weighted or weighted (Teflon coated or stainless weight)
- Over 1 liter capacity
- Individually packaged
- Ultrasonically welded
- Round top (hang-up free)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Case</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-520</td>
<td>unweighted</td>
<td>24</td>
<td>$106.00</td>
</tr>
<tr>
<td>9-521</td>
<td>weighted (stainless steel weight)</td>
<td>24</td>
<td>116.00</td>
</tr>
<tr>
<td>9-522</td>
<td>weighted (Teflon coated weight)</td>
<td>24</td>
<td>129.00</td>
</tr>
</tbody>
</table>
### POLYETHYLENE DIPPERS

Durable and lightweight. For removing samples from large tanks. Twelve-foot dippers have two-piece screw together handles.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity ml</th>
<th>Length Ft.</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-530</td>
<td>500</td>
<td>3</td>
<td>1</td>
<td>$21.80</td>
</tr>
<tr>
<td>9-531</td>
<td>500</td>
<td>6</td>
<td>1</td>
<td>31.40</td>
</tr>
<tr>
<td>9-532</td>
<td>500</td>
<td>12</td>
<td>1</td>
<td>63.00</td>
</tr>
<tr>
<td>9-533</td>
<td>1000</td>
<td>3</td>
<td>1</td>
<td>33.00</td>
</tr>
<tr>
<td>9-534</td>
<td>1000</td>
<td>6</td>
<td>1</td>
<td>38.50</td>
</tr>
<tr>
<td>9-535</td>
<td>1000</td>
<td>12</td>
<td>1</td>
<td>66.00</td>
</tr>
</tbody>
</table>

### TEFNON® DIPPER

Totally inert. All components are made from PTFE. Extendable screw-in shaft have a steel core for rigidity and are fully encapsulated in PTFE.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Capacity</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-540</td>
<td>100ml (3oz)</td>
<td>1</td>
<td>$80.00</td>
</tr>
<tr>
<td>9-541</td>
<td>250ml (8oz)</td>
<td>1</td>
<td>89.00</td>
</tr>
<tr>
<td>9-542</td>
<td>500ml (17oz)</td>
<td>1</td>
<td>107.50</td>
</tr>
<tr>
<td>9-543</td>
<td>1000ml (34oz)</td>
<td>1</td>
<td>139.50</td>
</tr>
</tbody>
</table>

### DRUM SAMPLER POLYETHYLENE

Designed for sampling of 55 gallon drums or vessels with openings as small as 2” ID. The 100ml bottle easily passes through the opening for quick filling. The handle prevents dropping of sampler into the opening of the drum. Rod 3’ length x 1 1/4” OD.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-545</td>
<td>Drum Sampler</td>
<td>1</td>
<td>$75.00</td>
</tr>
<tr>
<td>9-546</td>
<td>100ml Bottle</td>
<td>1</td>
<td>21.00</td>
</tr>
</tbody>
</table>

### DRUM SAMPLER POLYPROPYLENE

Efficient and time saving method of sampling of drums and tanks constructed of chemically resistant polypropylene. Supplied with 39” polypropylene head/shaft assembly, and .125ml borosilicate glass bottle with Teflon lined cap.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-548</td>
<td>Complete Unit</td>
<td>1</td>
<td>$106.40</td>
</tr>
<tr>
<td>9-549</td>
<td>125ml bottle with cap</td>
<td>12</td>
<td>53.04</td>
</tr>
</tbody>
</table>
REUSABLE STANDARD TEFNON® BAILERS

<table>
<thead>
<tr>
<th>Catalog NO.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-550</td>
<td>COMPLETE 1-3/4” O.D. x 1-1/2” I.D. STANDARD BAILERS WITH STANDARD TOP AND BOTTOM OPTIONS</td>
<td>$65.80</td>
</tr>
<tr>
<td>9-560</td>
<td>350CC CAPACITY, 15 1/4” OVERALL LENGTH</td>
<td>$65.80</td>
</tr>
<tr>
<td>9-561</td>
<td>700CC CAPACITY, 26 1/4” OVERALL LENGTH</td>
<td>$75.76</td>
</tr>
<tr>
<td>9-562</td>
<td>1050CC CAPACITY, 38 1/4” OVERALL LENGTH</td>
<td>$87.87</td>
</tr>
</tbody>
</table>

*SPECIFY ONE OF THE FOLLOWING TOP & BOTTOM COMBINATIONS FOR BAILERS ABOVE
-OO Open Handle Top, Open Bottom (Ball Rolls)
-SP Dual Side Opening Top, Bottom with Pin (Captive Ball)
-OP Open Handle Top, Bottom with Pin (Captive Ball)

Examples:    BAI-0350-LOP is 350CC capacity, Open Handle Style Top & Bottom with Pin
Examples:    BAI-1050-LSO is 1050CC capacity, Dual Side Opening Top, Open Bottom

INDIVIDUAL COMPONENTS FOR STANDARD BAILERS ABOVE
(ALSO COMPLETE 3/4” X 1” O.D. BAILERS)

<table>
<thead>
<tr>
<th>Catalog NO.</th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-565</td>
<td>BAILER BODY, 350CC CAPACITY, 11/2” I.D. X 1 5/8” O.D. THREADED</td>
<td>$23.44</td>
</tr>
<tr>
<td>9-566</td>
<td>BAILER BODY, 700CC CAPACITY, 11/2” I.D. X 1 5/8” O.D. THREADED</td>
<td>$33.20</td>
</tr>
<tr>
<td>9-567</td>
<td>BAILER BODY, 1050CC CAPACITY, 11/2” I.D. X 1 5/8” O.D. THREADED</td>
<td>$45.51</td>
</tr>
<tr>
<td>9-568</td>
<td>STANDARD TOP, OPEN HANDLE STYLE - FAST EMPTYING</td>
<td>$22.20</td>
</tr>
<tr>
<td>9-569</td>
<td>STANDARD TOP, DUAL SIDE OPENING STYLE - PROTECTS SAMPLE</td>
<td>$30.55</td>
</tr>
<tr>
<td>9-570</td>
<td>CHECK VALVE TOP - FOR POINT SAMPLING</td>
<td>$20.06</td>
</tr>
<tr>
<td>9-571</td>
<td>STANDARD BOTTOM - ALLOWS BALL TO ROLL</td>
<td>$20.16</td>
</tr>
<tr>
<td>9-572</td>
<td>STANDARD BOTTOM WITH CAPTIVE BALL</td>
<td>$6.74</td>
</tr>
<tr>
<td>9-573</td>
<td>VARIABLE FLOW BOTTOM EMPTYING DEVICE - COMPLETE</td>
<td>$26.47</td>
</tr>
<tr>
<td>9-574</td>
<td>VARIABLE FLOW BOTTOM, STOPCOCK VALVE ONLY</td>
<td>$30.27</td>
</tr>
<tr>
<td>9-575</td>
<td>VARIABLE FLOW BOTTOM, BODY ONLY (INCL. BALL)</td>
<td>$3.50</td>
</tr>
<tr>
<td>9-576</td>
<td>BALL VALVE, 1” DIAM., - FOR STANDARD BOTTOMS</td>
<td>$18.58</td>
</tr>
<tr>
<td>9-577</td>
<td>BAILER, 250CC. 1” O.D. X 3 FT LONG - (1 FT ALSO AVAILABLE)</td>
<td>$1.80</td>
</tr>
<tr>
<td>9-578</td>
<td>BAILER, 180CC. 3/4” O.D. X 3 FT LONG - (1 FT ALSO AVAILABLE)</td>
<td>$2.20</td>
</tr>
<tr>
<td>9-579</td>
<td>BAILER BAGS, POLYETHYLENE, .003” THICK X 30” LONG/100</td>
<td>$2.50</td>
</tr>
<tr>
<td>9-580</td>
<td>BAILER BAGS, POLYETHYLENE, .003” THICK X 45” LONG/100</td>
<td>$0.60</td>
</tr>
<tr>
<td>9-581</td>
<td>SUSPENSION WIRE, TEFNON COVERED/PER FT.</td>
<td>$0.89</td>
</tr>
</tbody>
</table>

TEFLON® DISPOSABLE BAILERS

Made of 100% Virgin Teflon®.
The most chemically inert, non-contaminating material available.
All Bailers are 19/16” O.D.
Weighted versions are also available.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Case Pack</th>
<th>Case Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-460</td>
<td>Bailer, 1 Foot Long, unweighted</td>
<td>10</td>
<td>$10.25</td>
</tr>
<tr>
<td>9-461</td>
<td>Bailer, 2 Foot Long, unweighted</td>
<td>10</td>
<td>$12.93</td>
</tr>
<tr>
<td>9-462</td>
<td>Bailer, 3 Foot Long, unweighted</td>
<td>10</td>
<td>$15.75</td>
</tr>
<tr>
<td>9-463</td>
<td>Bailer, 1 Foot Long, TFE coated weight</td>
<td>10</td>
<td>$10.75</td>
</tr>
<tr>
<td>9-464</td>
<td>Bailer, 2 Foot Long, TFE coated weight</td>
<td>10</td>
<td>$13.44</td>
</tr>
<tr>
<td>9-465</td>
<td>Bailer, 3 Foot Long, TFE coated weight</td>
<td>10</td>
<td>$16.25</td>
</tr>
</tbody>
</table>
## TCLP EXTRACTION BOTTLES

Used to determine if any of 40 contaminants is in waste material. Heavy duty borosilicate bottles are used in EPA Methods 1310 Extraction Procedure, 1311 Toxicity Characteristic Leaching Procedure (TCLP), and 1312 Synthetic Precipitation Leaching Procedure (SPLP), for those substances subject to regulation under Subtitle C of the Resource Conservation and Recovery Act (RCRA). The EPA recommends that borosilicate bottles be used. All have GPI finish 100-440.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-590</td>
<td>2.2</td>
<td>Single end opening</td>
<td>110 x 325</td>
<td>1</td>
<td>$74.59</td>
</tr>
<tr>
<td>9-591</td>
<td>2.2</td>
<td>Double end opening</td>
<td>110 x 334</td>
<td>1</td>
<td>$66.45</td>
</tr>
<tr>
<td>9-594</td>
<td>3.2</td>
<td>Single end opening</td>
<td>110 x 450</td>
<td>1</td>
<td>$87.95</td>
</tr>
<tr>
<td>9-595</td>
<td>3.2</td>
<td>Double end opening</td>
<td>110 x 450</td>
<td>1</td>
<td>$70.67</td>
</tr>
</tbody>
</table>

### Box Style

Designed for use with commercially available box style agitator equipment.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-598</td>
<td>3.0</td>
<td>Single end opening</td>
<td>150 x 255</td>
<td>1</td>
<td>$143.34</td>
</tr>
</tbody>
</table>

## CAPS FOR TCLP EXTRACTION BOTTLES

### White Heavy Duty Solid Polypropylene Cap

Extra thick and very resilient to mechanical and chemical attack.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-600</td>
<td>100-440</td>
<td>Single end opening</td>
<td></td>
<td>4</td>
<td>$28.54</td>
</tr>
</tbody>
</table>

### White Heavy Duty Polypropylene Cap with Center Hole

Single opening in the cap is 1/2” x 20 thread ID.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-601</td>
<td>100-440</td>
<td>Single end opening</td>
<td></td>
<td>4</td>
<td>$32.19</td>
</tr>
</tbody>
</table>

### White Light Duty Polypropylene Cap

Shorter skirt.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-602</td>
<td>100-440</td>
<td>Single end opening</td>
<td></td>
<td>4</td>
<td>$5.22</td>
</tr>
</tbody>
</table>

## CAP LINERS

### Zitex® Cap Liner

Laminate combines unique venting properties of Zitex, a porous form of PTFE, with a resilient foam backing. Zitex provides chemical resistance and a hydrophobic barrier which prevents pressure buildup in a container.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-604</td>
<td>100</td>
<td>Single end opening</td>
<td></td>
<td>4</td>
<td>$8.11</td>
</tr>
</tbody>
</table>

### PTFE Film Cap Liner

Film material is 0.03” thick.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-605</td>
<td>100</td>
<td>Single end opening</td>
<td></td>
<td>4</td>
<td>$9.96</td>
</tr>
</tbody>
</table>

### PTFE /Silicone Cap Liner

PTFE measures 0.01” and silicone 0.06” thick.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Size (Liters)</th>
<th>Description</th>
<th>OD x Length (mm)</th>
<th>Case</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>9-606</td>
<td>100</td>
<td>Single end opening</td>
<td></td>
<td>4</td>
<td>$21.20</td>
</tr>
</tbody>
</table>
LAB JACKS

- Support up to 50 lbs
- Skid pads prevent slipping
- Support hot plates, baths, glassware, and a variety of other items with these sturdy apparatus positioners. Set the exact height desired by simply turning a knob. Excellent side-to-side rigidity prevents wobble.
- Rugged anodized aluminum is chemical-resistant and nonsparking for maximum safety.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Closed Height</th>
<th>Open Height</th>
<th>Top plate Size</th>
<th>Max support Weight</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-100</td>
<td>1 1/4&quot;</td>
<td>4 1/2&quot;</td>
<td>3&quot; x 3&quot;</td>
<td>10 lbs</td>
<td>$105.00</td>
</tr>
<tr>
<td>6-101</td>
<td>2 1/2&quot;</td>
<td>7 1/4&quot;</td>
<td>6 1/4&quot; x 7 1/2&quot;</td>
<td>15 lbs</td>
<td>199.00</td>
</tr>
<tr>
<td>6-102</td>
<td>2 1/4&quot;</td>
<td>14 1/4&quot;</td>
<td>6 1/4&quot; x 7 1/2&quot;</td>
<td>25 lbs</td>
<td>180.00</td>
</tr>
<tr>
<td>6-103</td>
<td>3&quot;</td>
<td>18 1/2&quot;</td>
<td>9 1/2&quot; x 10&quot;</td>
<td>50 lbs</td>
<td>230.00</td>
</tr>
</tbody>
</table>

WRITE ON ANYTHING

- Even at 0°C
- Both Manomark™ Felt Tip Pens and Tech-Pen™ Refillable Ball Point Pens will write on just about anything, including Teflon®. Smooth flowing Manomarks, with a precision seal for long life, work in temperatures from 0-155°C. Dry ink resists autoclaving and is unaffected by subfreezing temperatures and many solvents. Supplied in a box/12 in choice of black, red, green, orange, purple, brown or assorted. Specify color when ordering.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Closed Open Top plate Max support Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-110 Manomark</td>
<td>bx/12</td>
</tr>
<tr>
<td>6-115 Tech-Pen.</td>
<td>ea.</td>
</tr>
<tr>
<td>6-120 Ink Refill</td>
<td>ea.</td>
</tr>
</tbody>
</table>

LABEL-OFF™

- Remove old labels quickly and easily from glassware and plastic. Label-Off eliminates those multiple layers of labels caused by new labels being put on over old ones. Kit contains 2 oz. of label adhesive solvent and 20 lint-free wipes, 4" x 4".

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-135 Label-Off Kit</td>
<td>ea. $14.00</td>
</tr>
</tbody>
</table>

REDUCE BREAKAGE AND SPILLAGE IN THE WATER BATH

- Stabilize glassware in the water bath using these Vikem® Vinyl Coated Lead Rings. Just slip a ring over a cylinder or flask and it will help prevent floating and tipping, reducing breakage and chemical spills. The rings are available in 5 sizes to fit most frequently used glassware.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-140 Lead Ring 5-10ml cylinders</td>
<td>ea. $11.65</td>
</tr>
<tr>
<td>6-141 Lead Ring 125-500ml flasks</td>
<td>ea. $13.35</td>
</tr>
<tr>
<td>6-142 Lead Ring 250-1000ml flasks</td>
<td>ea. $14.85</td>
</tr>
<tr>
<td>6-143 Lead Ring 500-2000ml flasks</td>
<td>ea. $17.95</td>
</tr>
<tr>
<td>6-144 Lead Ring 1000-4000ml flasks</td>
<td>ea. $19.10</td>
</tr>
</tbody>
</table>

A GENTLE GLASSWARE AND OPTICS CLEANSER

- Aquet™ is a non-ionic, neutral pH liquid detergent and safe wetting agent for laboratory glassware and optics. Diluted to a 1% solution, it removes surface film and grease, permitting perfect and complete drainage of burette and volumetric flask liquids.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-150 Aquet, 1gal.</td>
<td>ea. $22.50</td>
</tr>
<tr>
<td>6-151 Aquet, 5gal.</td>
<td>ea. $96.85</td>
</tr>
</tbody>
</table>

THE ONLY DIFFERENCE BETWEEN MULTIWIPES AND KIMIWIPES™ IS THE PRICE!

- They are manufactured from identical base stock, and low lint, soft, non-abrasive. Multi-wipes are available in two sizes, each equivalent to Kimwipes.
### BARNANT VARISTALTIC PUMPS

**SIMON VARISTALTIC® PUMP**  
An all purpose pump designed to handle laboratory fluid transfer tasks. Economically and simple to operate, analog setting offers infinite flowrate adjustment. The chemically-resistant pump head (molded of glass filled Noryl®) has three stainless steel rollers and a plexiglass safety cover.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36-130</td>
<td>115VAC</td>
<td>1,140.00</td>
</tr>
<tr>
<td>36-135</td>
<td>220VAC</td>
<td>1,140.00</td>
</tr>
</tbody>
</table>

### PRESTON VARISTALTIC® POWER PUMP

This pump is designed to fill a wide variety of laboratory fluid transfer tasks. It offers a very broad flowrate range and excellent power for tough pumping jobs, including viscous fluids. Two-digit speed selection allows for simple, precise flowrate setting (display is of percentage of maximum RPM) in clockwise or counter-clockwise direction. The chemically-resistant pump head (molded of glass filled Noryl®) has three stainless steel rollers and a plexiglass safety cover.

**FEATURES:**  
- All Varistaltic Pumps  
- come complete with self-priming pump head that accepts 7 different tubing sizes for the full flowrate range without changing pump heads. Tubing change-over and clean-up is a short simple procedure.  
- accept any type of soft tubing as long as it has 1/16" wall and is 55 (±5) Shore A durometer. Tubing selection allows a wide range of chemical compatibility as the fluid being pumped only comes in contact with tubing. Autoclavable tubing (e.g. Manosil) can be selected for sterile applications.  
- have a polyurethane-coated steel housing which is easily cleanable, and spot and chemical-resistant.  
- offer an external speed control option.  
- can be stacked on top of one another for efficient space utilization.  
- offer an external speed control option.

**SPECIFICATIONS**  
All pumps are supplied with 4 feet of Manosil tubing. All pumps accept tubing sizes I.D. 1/32" to 5/16" x 1/16" wall.

<table>
<thead>
<tr>
<th>Flowrate</th>
<th>Controls</th>
<th>Max RPM</th>
<th>Back Pressure Capability</th>
<th>Dimensions and Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMON Varistaltic® Pump</td>
<td>1-3450</td>
<td>Analog Setting, Forward only</td>
<td>720</td>
<td>Up to 20 p.s.i. continuously; 35 p.s.i. intermittent</td>
</tr>
<tr>
<td>VERA Varistaltic® Pump Plus</td>
<td>1-3000</td>
<td>Digital Setting, 1% increments, of full speed, Forward &amp; reverse</td>
<td>720</td>
<td>Up to 20 p.s.i continuously; 35 p.s.i. intermittent</td>
</tr>
<tr>
<td>PRESTON Varistaltic® Power Pump</td>
<td>1.5-6500</td>
<td>Digital Setting, 1% increments, from 1 to 99% of full speed, Forward &amp; reverse</td>
<td>720</td>
<td>Up to 30 p.s.i. continuously; 40 p.s.i. intermittent</td>
</tr>
</tbody>
</table>
Spencer Varistaltic® power dispenser and pump
A versatile dispenser with a wide dispensing range designed to handle a variety of dispensing applications. Spencer has the ability for "automated" dispensing offered by the timed pause feature. This makes Spencer ideal for short run production and high-volume laboratory-scale filling operation. There are four modes of operation: continuous pump, manual dispense (unit runs as long as the button or footswitch is depressed), single dispense (user runs as long as the button or footswitch is depressed), single dispense (user sets timer to determine how long unit runs for a pre-selected volume, and repeated dispense (pre-set dispense cycle time as well as time between dispenses). Spencer offers clockwise or counterclockwise operation for filling or aspirating tasks and head (molded of glass filled Noryl®) has three Delrin® rollers for greatest accuracy in dispensing.
Flowrate Range: 1.5-6500 ml/min Accuracy: ±1%

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36-100</td>
<td>115</td>
<td>$1,525.00</td>
</tr>
<tr>
<td>36-110</td>
<td>220</td>
<td>$1,525.00</td>
</tr>
</tbody>
</table>

Kate Varistaltic® Dispenser and Pump
A unit capable of handling a variety of dispensing tasks with ease. Kate has three modes of operation: continuous pump, manual dispense (the unit stays on as long as the button or footswitch is depressed), or timed dispense (the dispense cycle is determined by a user-set timer). A chemically-resistant pump head (molded of glass filled Noryl®) has three stainless steel rollers for greatest accuracy in dispensing.
Flowrate Range: 1-3450 ml/min
Accuracy: ±1%

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36-120</td>
<td>115</td>
<td>$1,140.00</td>
</tr>
<tr>
<td>36-125</td>
<td>220</td>
<td>$1,140.00</td>
</tr>
</tbody>
</table>

Features

**All Varistaltic Dispensers:**
- Are supplied with a dispenser handle.
- Come complete with self-priming pump head that accepts 7 different tubing sizes for the full flowrate range without changing pump heads. Tubing change-over and clean-up is a short simple procedure.
- Accept any type of soft tubing as long as it has 1/16” wall and is 55 (±5) Shore A durometer. Tubing selection allows a wide range of chemical compatibility as the fluid being pumped only comes in contact with tubing. Autoclaveable tubing (e.g., Manosil) can be selected for sterile applications.
- Have a polyurethane-coated steel housing which is easily cleanable, and spot-and chemical-resistant.
- Can be stacked on top of one another for efficient space utilization.
- Accept TTL signal input through dispenser handle plug for external control.
- Offer an external speed control option.

Specifications

All dispensers are supplied with 4 feet of Manosil tubing, a dispenser handle, 1 glass and 1 polypropylene dispensing tip, and 1 plastic check valve. All dispensers accept tubing sizes I.D. 1/32” to 5/16” x 1/16” wall.

<table>
<thead>
<tr>
<th>Flowrate Range (ml/min)</th>
<th>Controls</th>
<th>Cycle Timer</th>
<th>Dispensed Volume (ml/cycle)</th>
<th>Max RPM</th>
<th>Back Pressure Capability for Filtration Application</th>
<th>Dimensions and Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Kate Varistaltic Dispenser and Pump 1-3450</strong></td>
<td>Analog settings for flow speed and flow time. Switch for mode selection. Forward only.</td>
<td>Anolog On: 0.2 to 20</td>
<td>0.5-1070</td>
<td>720</td>
<td>Up to 35 p.s.i.</td>
<td>9”x9 1/2” dx53/4”h 91/2 lbs.</td>
</tr>
<tr>
<td><strong>Spencer Varistaltic Power Dispenser and Pump 1.5-6500</strong></td>
<td>Analog setting for flow speed, flow time, and pause Switches for mode selection and flow direction. Forward &amp; reverse.</td>
<td>Analog On: 0.2 to 20 seconds. Off: 0.1 to 10 seconds</td>
<td>0.5-1700</td>
<td>720</td>
<td>Upto 40 p.s.i.</td>
<td>10”x11” dx61/2”h 12 lbs.</td>
</tr>
</tbody>
</table>
BARNANT JIMMY COMPACT CASSETTE PUMP

This compact drive unit accepts one or two Cassette Modules and provides an economical alternative when fewer channels are needed. Flowrates depend on tubing size and whether Low or High Flow Cassette Modules are used. It allows only one flow direction.

Specifications and Flowrate Ranges per Channel

All pumps accept tubing sizes I.D. of .015" to 3/16" x 1/32" wall.
All flowrate accuracy is ±5%.

Flowrate Range per Channel: 1 - 120 ml/hr, Accuracy = ±5%

<table>
<thead>
<tr>
<th>Tubing Size</th>
<th>Low Flow Cassette</th>
<th>High Flow Cassette</th>
<th>Catalog Number</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jimmy</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Junior Cassette Pump®</td>
<td>.015 x 1/32</td>
<td>1 - 2 ml/hr</td>
<td>1.5 - 2.5 ml/hr</td>
<td>36-180</td>
<td>115vac</td>
</tr>
<tr>
<td></td>
<td>.020 x 1/32</td>
<td>1.5 - 3.5 ml/hr</td>
<td>2 - 4.5 ml/hr</td>
<td>36-185</td>
<td>220vac</td>
</tr>
<tr>
<td></td>
<td>1/32 x 1/32</td>
<td>2.3 - 10.5 ml/hr</td>
<td>3 - 12 ml/hr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/16 x 1/32</td>
<td>8 - 30 ml/hr</td>
<td>10.5 - 40 ml/hr</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>71/4&quot;h x 7&quot;l x 4&quot;d</td>
<td>3/32 x 1/32</td>
<td>12 - 45 ml/hr</td>
<td>16 - 60 ml/hr</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>1/8 x 1/32</td>
<td>16 - 64 ml/hr</td>
<td>20 - 82 ml/hr</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5/32 x 1/32</td>
<td>23 - 82 ml/hr</td>
<td>30 - 105 ml/hr</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3/16 x 1/32</td>
<td>27 - 90 ml/hr</td>
<td>35 - 120 ml/hr</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Versatube*</td>
<td>20 - 35 ml/hr</td>
<td>27 - 45 ml/hr</td>
<td></td>
</tr>
</tbody>
</table>

BARNANT E SERIES PERISTALTIC PUMP

The E Series Pumps are quality, compact peristaltic pumps designed to provide a constant flow of liquids with a wide range of viscosities or gases. These space efficient (5"L x 69/16" D x 55/16 "H) pumps are excellent for buffer circulation, perfusion, positive pressure filtration or virtually any task requiring liquid or gas movement or metering.

E Series Pumps are perfect for sterile applications. Samples come in contact only with the tubing which eliminates contamination. All are self-priming and can be used with a wide variety of tubing, selected for chemical resistance or autoclavability. Pump heads feature easy access for no-tool tubing loading and unloading. Positive displacement action makes the pump ideal for metering applications.

E Series Pumps are available in 4 models, each with a factory pre-set RPM providing a wide selection of flow ranges from 3 to 360ml/min. All pump heads accept 4 tubing sizes for different flow rates. A 3/16" pumping link is supplied with the pump to optimize performance. Other size pumping links are also available.

Electrical: 115 V, 60 Hz, 1 Amp or 220 V, 50 Hz, 0.5 Amp
Pressure: 25 psi continuous, 40 psi intermittent
Dimensions: 12.7L x 17.3D x 13.7H cm (5 x 69/16x55/16 in.)

<table>
<thead>
<tr>
<th>Voltage</th>
<th>RPM</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
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<th>Price</th>
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<tbody>
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<td>110</td>
<td>14</td>
<td>3ml/min</td>
<td>12ml/min</td>
<td>27ml/min</td>
<td>45ml/min</td>
<td>36-190</td>
<td>$225.00</td>
</tr>
<tr>
<td>220</td>
<td>14</td>
<td>3ml/min</td>
<td>12ml/min</td>
<td>27ml/min</td>
<td>45ml/min</td>
<td>36-191</td>
<td>225.00</td>
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<tr>
<td>110</td>
<td>28</td>
<td>6.5ml/min</td>
<td>25ml/min</td>
<td>55ml/min</td>
<td>90ml/min</td>
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<td>225.00</td>
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<tr>
<td>220</td>
<td>28</td>
<td>6.5ml/min</td>
<td>25ml/min</td>
<td>55ml/min</td>
<td>90ml/min</td>
<td>36-201</td>
<td>225.00</td>
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<tr>
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<td>49</td>
<td>10ml/min</td>
<td>40ml/min</td>
<td>100ml/min</td>
<td>150ml/min</td>
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<td>225.00</td>
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<tr>
<td>220</td>
<td>49</td>
<td>10ml/min</td>
<td>40ml/min</td>
<td>100ml/min</td>
<td>150ml/min</td>
<td>36-206</td>
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<tr>
<td>110</td>
<td>108</td>
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<td>228ml/min</td>
<td>375ml/min</td>
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<td>220</td>
<td>108</td>
<td>26ml/min</td>
<td>104ml/min</td>
<td>228ml/min</td>
<td>375ml/min</td>
<td>36-211</td>
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</tbody>
</table>
**BARNANT MINISTALTIC® PUMP**

**MINISTALTIC® PUMP**

A compact oscillating pump, ideal for pulse-free, continuous pumping of variable flowrates from 10 ml/min to 1600 ml/min. The ammeter provides a reference for speed settings and there are no exposed moving parts.

A self-priming pumping element, made of hypalon and polypropylene, makes it ideal for handling acids, bases and other corrosive or toxic fluids. Can be used for buffer circulation and temperature control in electrophoresis, continuous flow dialysis, perfusions, as well as general pumping tasks. Polyethylene hose barb style tubing connectors accept tubing with i.d. from 1/4” to 3/8”. Ministaltic Pump: 115 VAC: 72-100-000, 220 VAC: 72-100-220

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36-160</td>
<td>115VAC</td>
<td>$475.00</td>
</tr>
<tr>
<td>36-165</td>
<td>220VAC</td>
<td>475.00</td>
</tr>
</tbody>
</table>

--

**BARNANT SARAH CASSETTE® DRIVE MULTICHANNEL PERISTALTIC PUMP**

This model has a 10 Cassette capacity, but can be used with any number of Cassettes from 1 to 10 without affecting accuracy or operation. The unit has two drive shafts, fast and slow, which operate at all times (turning ratio 2.5:1). Each Cassette can engage either drive gear depending on its operation. Two digit speed selection makes it easy to set and repeat flowrates (display is of percentage of total rpm). Flowrate range depends on tubing size and whether Low or High Flow Cassette Modules are used. This drive unit can be used in either horizontal or vertical position, requiring as little as 7” x 7” of bench space.

Flowrate Range per Channel: .015 - 700 ml/hr
Accuracy = ±5%
All pumps accept tubing sizes I.D. of .015” to 3/16” x 1/32” wall.
All flowrate accuracy is ±5%
Flowrate Range per Channel: ml/hr (water as STP zero suction and zero discharge head with tubing links)

<table>
<thead>
<tr>
<th>Sarah</th>
<th>Tubing Size</th>
<th>Low Gear</th>
<th>High Gear</th>
<th>Catalog No.</th>
<th>Voltage</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Cassette Pump®</td>
<td>.015 x 132</td>
<td>0.15 - 2.4 ml/hr</td>
<td>0.2 - 5.5 ml/hr</td>
<td>36-170</td>
<td>115vac</td>
<td>$1,040.00</td>
</tr>
<tr>
<td></td>
<td>.020 x 1/32</td>
<td>0.3 - 4.7 ml/hr</td>
<td>0.6 - 10 ml/hr</td>
<td>136-175</td>
<td>220vac</td>
<td>1,040.00</td>
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<tr>
<td></td>
<td>1/32 x 1/32</td>
<td>0.8 - 11.5 ml/hr</td>
<td>1.2 - 29 ml/hr</td>
<td></td>
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</tr>
<tr>
<td></td>
<td>1/16 x 1/32</td>
<td>2.7 - 44 ml/hr</td>
<td>6 - 106 ml/hr</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>141/4”h x 7”l x 61/2”d</td>
<td>3/32 x 1/32</td>
<td>4 - 69 ml/hr</td>
<td>6.5 - 157 ml/hr</td>
<td></td>
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</tr>
<tr>
<td>12 lbs.</td>
<td>1/8 x 1/32</td>
<td>5.5 - 89 ml/hr</td>
<td>10 - 254 ml/hr</td>
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<tr>
<td>(Low Flow Cassette)</td>
<td>5/32 x 1/32</td>
<td>8 - 132 ml/hr</td>
<td>17 - 320 ml/hr</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3/16 x 1/32</td>
<td>9 - 164 ml/hr</td>
<td>19 - 360 ml/hr</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Versatube*</td>
<td>10 - 85 ml/hr</td>
<td>24 - 211 ml/hr</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>.015 x 1/32</td>
<td>0.2 - 2.7 ml/hr</td>
<td>0.3 - 6.3 ml/hr</td>
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<tr>
<td></td>
<td>.020 x 1/32</td>
<td>0.4 - 7 ml/hr</td>
<td>1.4 - 13 ml/hr</td>
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<tr>
<td></td>
<td>1/32 x 1/32</td>
<td>1.5 - 16 ml/hr</td>
<td>2 - 35 ml/hr</td>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1/16 x 1/32</td>
<td>5 - 67 ml/hr</td>
<td>8 - 155 ml/hr</td>
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<tr>
<td></td>
<td>3/32 x 1/32</td>
<td>6.5 - 110 ml/hr</td>
<td>12 - 280 ml/hr</td>
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<tr>
<td></td>
<td>1/8 x 1/32</td>
<td>10 - 177 ml/hr</td>
<td>18 - 450 ml/hr</td>
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<tr>
<td></td>
<td>5/32 x 1/32</td>
<td>15 - 260 ml/hr</td>
<td>34 - 640 ml/hr</td>
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<td>3/16 x 1/32</td>
<td>16 - 300 ml/hr</td>
<td>35 - 700 ml/hr</td>
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<tr>
<td>(High Flow Cassette)</td>
<td>Versatube*</td>
<td>12 - 105 ml/hr</td>
<td>26 - 233 ml/hr</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
**TUBING FOR BARNANT PUMPS**

**MANOSIL TUBING**

Silicone rubber is the best general purpose tubing for laboratory use in peristaltic pumps. Its great flexibility gives maximum pump performance and excellent tubing life. It has good abrasion resistance and may be used with a wide range of reagents.

Temperature Range: -50° to 450°F (-46° to 232°C)
Durometer: 55± Shore A
Tubing Life: Excellent
Autoclavable: Yes

**CASSETTE® PUMPS**

<table>
<thead>
<tr>
<th>ID</th>
<th>Tubing Size</th>
<th>Length</th>
<th>Wall</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>.015&quot;</td>
<td>50'</td>
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</tr>
<tr>
<td>.020&quot;</td>
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<td>1/32&quot;</td>
<td>37-151</td>
<td>35.50</td>
<td></td>
</tr>
<tr>
<td>1/32&quot;</td>
<td>50'</td>
<td>1/32&quot;</td>
<td>37-152</td>
<td>35.50</td>
<td></td>
</tr>
<tr>
<td>1/16&quot;</td>
<td>50'</td>
<td>1/32&quot;</td>
<td>37-153</td>
<td>35.50</td>
<td></td>
</tr>
<tr>
<td>3/32&quot;</td>
<td>50'</td>
<td>1/32&quot;</td>
<td>37-154</td>
<td>35.50</td>
<td></td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>50'</td>
<td>1/32&quot;</td>
<td>37-155</td>
<td>38.50</td>
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</tr>
<tr>
<td>5/32&quot;</td>
<td>50'</td>
<td>1/32&quot;</td>
<td>37-156</td>
<td>44.00</td>
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</tr>
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<td>3/16&quot;</td>
<td>50'</td>
<td>1/32&quot;</td>
<td>37-157</td>
<td>46.00</td>
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**VARISTALTIC® PUMPS**

<table>
<thead>
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<th>Number</th>
<th>Price</th>
</tr>
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<td>46.00</td>
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</tr>
<tr>
<td>3/32&quot;</td>
<td>10'</td>
<td>1/16&quot;</td>
<td>37-152</td>
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<td>37-157</td>
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<td>10'</td>
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<td>1/16&quot;</td>
<td>37-162</td>
<td>39.60</td>
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<td>50'</td>
<td>1/16&quot;</td>
<td>37-163</td>
<td>180.00</td>
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</tr>
</tbody>
</table>

**HYPALON TUBING**

Hypalon is a synthetic rubber with outstanding resistance to weather, oil, flame and strong oxidizing chemicals such as concentrated sulfuric acid and hypochlorite solutions. It has sufficient flexibility to make it a very efficient tubing for use in peristaltic pumps.

Temperature Range: -0° to 250°F (32° to 121°C)
Durometer: 60± Shore A
Tubing Life: Excellent
Autoclavable: Yes

**E-SERIES PUMPS**

<table>
<thead>
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<th>ID</th>
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<th>Length</th>
<th>Wall</th>
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<th>Price</th>
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<tbody>
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<td>1/16&quot;</td>
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<td>37-178</td>
<td>21.00</td>
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</tbody>
</table>

**TUBING FOR BARNANT PUMPS**

**PHARMED TUBING**

Custom formulated for peristaltic pumps, PharMed 55 is a thermoplastic elastomer utilizing a polypropylene base. It meets USP Class VI, FDA and NSF criteria.

Ideal for cell culture, tissue and culture, fermentation, purification and separation. PharMed 55 can be autoclaved or radiation sterilized and is less permeable than silicone, as well as ozone and UV light resistant.

Resists attack by oxidizing agents, excellent acid and alkali resistance, good animal and vegetable oil resistance.

Temperature Range: -58° to 275° F (-51° to 135° C)
Durometer: 55± Shore A
Tubing Life: Excellent
Autoclavable: Yes

**VARISTALTIC® PUMPS**

<table>
<thead>
<tr>
<th>ID</th>
<th>Tubing Size</th>
<th>Length</th>
<th>Wall</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/32&quot;</td>
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<td>1/16&quot;</td>
<td>37-180</td>
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<tr>
<td>1/32&quot;</td>
<td>50'</td>
<td>1/16&quot;</td>
<td>37-181</td>
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</tr>
<tr>
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<td>10'</td>
<td>1/16&quot;</td>
<td>37-182</td>
<td>22.80</td>
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</tr>
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<td>1/16&quot;</td>
<td>37-183</td>
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</tr>
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<td>37-188</td>
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<td>50'</td>
<td>1/16&quot;</td>
<td>37-189</td>
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<td>1/16&quot;</td>
<td>37-190</td>
<td>29.50</td>
<td></td>
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<tr>
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<td>50'</td>
<td>1/16&quot;</td>
<td>37-191</td>
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<td>37-192</td>
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<td>50'</td>
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<td>50'</td>
<td>1/16&quot;</td>
<td>37-195</td>
<td>210.00</td>
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**TUBING FOR BARNANT PUMPS**

**HYPALON TUBING**

Hypalon is a synthetic rubber with outstanding resistance to weather, oil, flame and strong oxidizing chemicals such as concentrated sulfuric acid and hypochlorite solutions. It has sufficient flexibility to make it a very efficient tubing for use in peristaltic pumps.

Temperature Range: -0° to 250°F (32° to 121°C)
Durometer: 60± Shore A
Tubing Life: Excellent
Autoclavable: Yes

**VARISTALTIC® PUMPS**

<table>
<thead>
<tr>
<th>ID</th>
<th>Tubing Size</th>
<th>Length</th>
<th>Wall</th>
<th>Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/16&quot;</td>
<td>10'</td>
<td>1/16&quot;</td>
<td>37-200</td>
<td>$21.60</td>
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<td>37-201</td>
<td>98.00</td>
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<td>10'</td>
<td>1/16&quot;</td>
<td>37-202</td>
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<td></td>
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<tr>
<td>1/4&quot;</td>
<td>50'</td>
<td>1/16&quot;</td>
<td>37-203</td>
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<td>10'</td>
<td>1/16&quot;</td>
<td>37-204</td>
<td>40.00</td>
<td></td>
</tr>
</tbody>
</table>
TUBING FOR BARNANT PUMPS
MANOGON TUBING

Manogon Brand Tygon vinyl tubing has been formulated especially for use in peristaltic pumps. It is crystal clear, tasteless and odorless, non-toxic and can be easily sterilized by chemical or gas methods. The bore is glass smooth which allows maximum flow.

Temperature Range: -20° to 165°F (-29° to 74°C)
Durometer: 55±5 Shore A
Tubing Life: Good
Autoclavable: Yes (limited times)

CASSETTE PUMPS

<table>
<thead>
<tr>
<th>ID</th>
<th>Tubing Size</th>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
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<td>50'</td>
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<td>50'</td>
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<td>50'</td>
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VARISTALTIC® PUMPS

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<thead>
<tr>
<th>ID</th>
<th>Tubing Size</th>
<th>Catalog Number</th>
<th>Price</th>
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<td>50'</td>
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STAT-O-LOK

Stat-O-Loks are quick-disconnect in-line tubing connectors. Use Stat-O-Lok connectors for one hand, no mess tubing hook-ups. These chrome-plated brass connectors feature easy-to-use slide locks for leak-free in-line connections and automatic shut-off of flow when disconnected. Hose Barb ends accept flexible tubing. Operate at temperatures to 82°C (180°F); pressures to 1.7Mpa (250psi), vacuum to 30 microns to Hg. Delrin or polypropylene valves are available for specific chemical resistance requirements. Dependable operation is ideal for liquid and gas connectors in biomedical, instrumentation and general industrial applications.

<table>
<thead>
<tr>
<th>Catalog Number</th>
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</tr>
<tr>
<td>37-143</td>
<td>1/4&quot;</td>
<td>male</td>
<td>17.55</td>
</tr>
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</table>

END SINKERS FOR TUBING

End sinks are designed to keep tubing properly aligned and at the bottom of any container, eliminating the possibility of tubing adhering to the reservoir wall. These made of Teflon® and offer a wide range of solvent resistance. These sinkers are especially recommended for use with all repeating dispensers and all peristaltic pumps. Sold as a set of two, one each large and small, the small size fits 1/16 to 1/8" ID flexible tubing or 3/6" ID Teflon tubing, the large fits flexible tubing from 3/16 to 5/16" ID.

<table>
<thead>
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<tr>
<td>37-145</td>
<td>set/2</td>
<td>$22.00</td>
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</table>
BARNANT PUMP ACCESSORIES

Designed for greater accuracy with Varistaltic Dispensers and Pumps, these autoclavable links assure easy insertion and proper fit in pump head and produce more uniform flowrates. Polypropylene end fittings have hose barbs to allow connection to any length of tubing.

TUBING LINKS

<table>
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<tr>
<th>Standard</th>
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<th>Price</th>
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<tr>
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</tr>
<tr>
<td>ID</td>
<td>Wall Thickness</td>
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<td>Price</td>
</tr>
<tr>
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CASSETTE® PUMP TUBING LINKS

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<tr>
<td></td>
<td>3/16&quot;</td>
<td>1/32&quot;</td>
<td>36-257</td>
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DUAL HEAD VACUUM PRESSURE PUMP

A variation of the basic Barnant pump doubles its pumping capabilities. You can pump gases or evacuate two channels independently or perform one of each operation simultaneously. Each pump head has a free air capacity of 1100 cubic inches per minute; can pull vacuum of 20" Hg and pump air up to 18 psig. By paralleling pump heads, the total free air capacity is 2200 cubic inches per minute.

Applications: This pump is ideal for pressure/vacuum filtration, flame photometry, nebulizers, circulating and aerating equipment, pneumatic devices, air sampling, power burners and suction units.

All plastic head construction assures you of corrosion-resistant, contamination-free pumping. The convoluted long-life diaphragm design reduces stress, wear and heat build-up. Unique cavity configuration provides minimal dead space and air entrainment for high capacity pumping.

The Dual Head is powered by a Class B, 1/25 hp motor at 1550 rpm. Four 3/8" (M)NPT polyethylene tubing adapters and a 6-ft, 3-wire cord are included.

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
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<td>$235.00</td>
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</table>

VACUUM/PRESSURE STATIONS

- Self-contained combines pump with vacuum/pressure gauge and regulating valves
- Switch from vacuum to pressure easily and quickly.

COMPLETELY SELF-CONTAINED

Corrosion-resistant stations combine a single-head pump, a vacuum/pressure gauge and independent SS regulating valves. Produces free-air capacity to 0.9 cfm. Use the input/output port for drawing a vacuum, or pressurizing the pump line; port is 3/8" hose barb. Use the auxiliary port for working two lines simultaneously; port accepts tube fitting with standard 1/4" NPT (M) pipe thread.

CONTAMINATION-FREE PUMPING.

Wetted materials of the 400-3901 include Noryl pump head with extended-life Nitrile diaphragm. (Chemical resistant, Fluorel, diaphragm is also included). Teflon disc valves and Noryl retainers are standard. The 470-5942 features a Valox material pump head, Fluorel fluoroelastomer diaphragm, Norprene disc valves and Noryl retainers.

Model 36-270, is compact and low-cost and provides free air capacity up to 0.5 cfm. Tubing is silicone.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>36-270</td>
<td>$430.00</td>
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</tbody>
</table>

Fluorel - Reg TM 3M Co.
Noryl, Valox - Reg TM General Electric Co.
Norprene, Tygon - Reg TM Norton Co.
VERSATUBE® TEFLON® LINED PUMPING UNIT
This all-purpose, chemically inert, Teflon lined pumping element will increase peristaltic pump versatility. Use Versatube in peristaltic pumps to work with acids, solvents and alkaline solutions. Versatube is a composite structure consisting of a silicone rubber outer shell for wear resistance and a Teflon lining for chemical resistance. Glass end fittings complete the system and make it easy to connect appropriate feed and output tubing. This unit is autoclavable and is capable of handling viscosity up to 100 cp and temperatures from 0°F to 20°F.

STANDARD VERSATUBE SUITABLE FOR SPENCER AND PRESTON
.29” (7.5 mm) i.d. tubing
.27” (7 mm) o.d. end fittings
Length: 18” (46.1 cm)
Catalog Number Price
37-210 $45.00

JUNIOR VERSATUBE SUITABLE FOR KATE, VERA AND SIMON
.21” (5.4 mm) i.d. tubing
.19” (5 mm) o.d. end fittings
Length: 13” (33.3 cm)
Catalog Number Price
37-215 $38.00

CASSETTE VERSATUBE SUITABLE FOR SARAH, HENRY, JIMMY AND PATRICK
.15” (3.9 mm) i.d. tubing
.12” (3 mm) o.d. end fittings
Length: 12” (30.7 cm)
Catalog Number Price
37-220 $38.00

ECONOMICAL CHECK VALVES
Constructed with a polypropylene body and ethylene propylene checks these check valves can be used with dilute mineral acids, many organic acids and aqueous solutions. The Single Check Valve (not shown) is primarily designed for unidirectional flow of liquids and gases and prevents backflow. The Dual Check Valve (pictured) can be used to meter and dispense controlled volumes of fluids, to provide a simple means of transferring fluids from vessel to vessel, or reservoir to point of use and will turn any syringe into a dispensing system.

Catalog Number Description Price
37-221 Single Check Valve ea. $21.75
37-225 Dual Check Valve ea. 21.75

CASSETTE PUMPING MODULES
Two Cassette Pumping Modules are offered: Low Flow with eight rollers and High Flow with four rollers (which produces 30% more flow than low flow unit). Each Cassette will accept any soft flexible tubing with a hardness of 45-70 shore A durometer, with i.d. ranging from 0.015” to 3/16” with 1/32” wall.
Cassettes have a plastic wear guard strip to reduce tubing wear and a clamping system designed to provide fine flow control. Tubing links are strongly recommended for greatest flowrate accuracy.

Catalog Number Description Price
36-220 Low Flow Modules $144.00
36-221 High Flow Modules 144.00

TUBING CONNECTORS
Heavy-duty polypropylene connectors, male and female taper Luer with integral locking ring and a hose barb for easy tubing connection.

Catalog Number Fits I.D. Tubing Price
37-212 1/32” pk/10 pairs $9.80
37-214 1/16” pk/10 pairs 9.80
37-216 3/32” pk/10 pairs 9.80
37-218 1/8” pk/10 pairs 9.80
37-222 5/32” pk/10 pairs 9.80

STAINLESS STEEL TUBING TUBE CONNECTORS.

Catalog Number Fits I.D. Tubing Price
37-230 .015” and .020” pk/10 pairs $36.00

TUBING FITTING ASSORTMENT
This 76 piece assortment fills needs for any routine setup. It provides 2 of each size of: 10 Straight Tubing connectors, 12 Straight Stepped Tubing Connectors, 12 Tee Connectors, 6 Quick Disconnects, and 24 Polyethylene Cup-Type Stoppers, all packed in a hinged-top clear styrene box.

Catalog Number Description Price
37-235 Tubing Fitting Assortment Kit $61.80
POLYETHYLENE TUBING

Economical, Translucent
Manufactured to meet FDA criteria. Suitable for most sampling applications. Available in a range of stock sizes in natural translucent white. Custom sizes, colors and lengths available upon request.

- Corrosion Resistance Values: For details of resistance to specific substances for your particular application, please refer to Corrosion Resistance Bulletin No. 10
- Major Advantages: Low Cost. Superior resistance to moisture and chemicals. Polyethylene is extremely resistant to environmental stress cracking, and costs less than other tubing materials for low pressure applications.
- Construction: Low Density Polyethylene.

**Operating Temperature Range:** -100° F to +175° F

**Recommended Couplings:** Plastic or metal inserts with outer sleeves, ferrule or clamps.

<table>
<thead>
<tr>
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<th>Description &amp; Size</th>
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</thead>
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<td>37-331</td>
<td>1-3/4 x 2 x 1-1/8</td>
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</tr>
</tbody>
</table>

(*) Recommended working pressure calculated and tested at room temperature approximately 70° F.
BARNANT VACUUM/PRESSURE PUMP

All plastic head construction assures corrosion-resistant, contamination-free pumping. Gas contacts only the Noryl plastic body, Nitrile diaphragm, Teflon® fluorocarbon resin valves and polyethylene tubing adapters. (Available with Valox® bodies and Fluorol® diaphragms on special order.)

Unique cavity configuration provides minimal dead space and air entrapment. The patented convoluted diaphragm design reduces stress, wear and heat build-up. No vacuum oil is required.

All AC powered Barnant pumps pull a vacuum to 20" Hg and gases to 18 psig in continuous operation. Free air capacity for all 115 volt pumps is 1100 cubic inches per minute. Barnant pumps are ready to use and come equipped with a standard AC motor which is service-free, totally enclosed, brushless type with sealed ball bearings and thermal overload protection. Two 3/8" (M)NPT polyethylene tubing adapters and a 6-ft., 3-wire cord are included.

Reduced eccentrics are available for applications that require very low flow, such as gas samplers, analyzers, flame photometry and many others. These low flow pumps will operate for thousands of trouble-free hours.

Also available, low cost vacuum/pressure pumps, designed for OEM applications with attractive quantity discounts. Inquire.

PTFE INDUSTRIAL WALL FRACTIONAL TUBING

In addition to its low co-efficient of friction, teflon PTFE tubing offers excellent performance at both low and high temperatures, along with outstanding resistance to most chemicals.

PTFE tubing is nonaging, nontoxic and non-allergenic. It maintains its stiffness, has excellent strength, is crack-resistant and offers good shock and abrasion resistance. Teflon PTFE tubing is the most flexible of the fluoropolymer tubings.

- Most flexible.
- Widest temperature range: -400 degrees F to 500 degrees F
- Color: Natural white
- Durometer: Shore D 60 +/-5
- Excellent dielectric properties.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size</th>
<th>I.D. x O.D.</th>
<th>I.D. Inch</th>
<th>Wall Inch</th>
<th>Price Per Foot</th>
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PTFE HEAVY WALL FRACTIONAL TUBING

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<th>I.D. x O.D.</th>
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<th>Wall Inch</th>
<th>Price Per Foot</th>
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VINYL TUBING, LABORATORY GRADE

Non-Toxic. Meets FDA Requirements. Recommended for all laboratory and industrial uses where flexible vinyl tubing is applicable; for handling aqueous foods and other liquids, and for non-critical hospital use such as suction and drainage.

Produced entirely from F.D.A. sanctioned ingredients. All compounding and manufacturing is performed using GMP, assuring consistency of quality and purity.

Highly flexible, for ease of handling. Its smooth bore and clarity contribute to better material flow and easy observation of contents.

Not recommended for peristaltic pumps.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Inner Diameter</th>
<th>Outer Diameter</th>
<th>Wall Thickness</th>
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PRODUCT CHARACTERISTICS

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<th>VALUE</th>
<th>TEST</th>
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<td>Recommended Working Pressure at room temperature only.</td>
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<tr>
<td>ELONGATION</td>
<td>400% ASTM D638</td>
<td>Pressure rating varies inversely with temperature.</td>
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<tr>
<td>HARDNESS</td>
<td>75+/-5 SHORT ASTM D2240(15 SEC.)</td>
<td>Vinyl tubing is not recommended.</td>
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<tr>
<td>LOW TEMPERATURE</td>
<td>-40 F ASTM D746</td>
<td>Recommended for high temperature or high pressure use.</td>
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<td>NON-TOXIC U.S.P. CLASS II</td>
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<td>NONE</td>
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<tr>
<td>TASTE</td>
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<tr>
<td>COLOR</td>
<td>CLEAR</td>
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SILICONE PERISTALTIC PUMP TUBING

USP Class VI Medical Grade
Economical, Translucent
Non-toxic, extremely flexible, abrasion resistant, seamless and odorless. Recommended for high purity applications. Especially suited for use on peristaltic pumps.

- Meets FDA, USDA, and USP XXII Class VI standards.
- Excellent biocompatibility.
- Heat resistant.
- Flexibility temperature range: -80 degrees Fahrenheit to 500 degrees Fahrenheit.
- Maximum temperature: 460 degrees Fahrenheit.
- Color: cream-colored / translucent.
- Do not use with sodium hydroxide, concentrated solvents, acids or oils.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>I.D. x O.D.</th>
<th>BurSt</th>
<th>Price/Pak</th>
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PACKAGING:
Tubing is packaged in individual heat sealed poly bags for cleanliness.

TEFLON FEP TUBING

In addition to its low co-efficient of friction, teflon FEP tubing offers excellent performance at both low and high temperatures, along with outstanding resistance to most chemicals.

FEP tubing is nonaging, nontoxic and non-allergenic. It maintains its stiffness, has excellent strength and is crack-resistant. FEP tubing has the best abrasion resistance of the fluoropolymer tubings.

- Best abrasion resistance.
- Chemically inert.
- Heat resistant.
- Bendable even at -454 degrees F
- Temperature range: -400 degrees F to 400 degrees F
- Color: Translucent
- Durometer: Shore D 56 +/-5

<table>
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<th>Price/Pak</th>
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FEP HEAVY WALL FRACTIONAL TUBING

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STANDARD PVC MANIFOLD PUMP TUBING

- Ideal for routine use in peristaltic pumps.
- Specially formulated PVC is heat treated for increased life. Resistant to a broad range of inorganic chemicals, particularly mild acids, alkalis and salt solutions.
- Clear, transparent characteristics allow for convenient flow monitoring.
- Durometer of 60 bends easily, grips connectors firmly, and simplifies pump setups.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Bridge Colors</th>
<th>Inner Diameter</th>
<th>Outer Diameter</th>
<th>Wall Thickness</th>
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<td>Orange</td>
<td>0.889</td>
<td>2.565</td>
<td>0.838</td>
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<tr>
<td>37-578</td>
<td>White</td>
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<td>0.838</td>
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</table>

SILICONE TUBING

- Highly flexible and free of additives or plasticizers.
- Will not readily age, oxidize, or deteriorate over time.
- Excellent flow characteristics.
- Broad compatibility with most acids, alkalis and solvents.
- Wall thickness of 0.914 mm/0.036 inches.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Bridge Colors</th>
<th>Inner Diameter</th>
<th>Outer Diameter</th>
<th>Price</th>
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<td>2.845</td>
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<td>2.972</td>
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<td>3.124</td>
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<td>3.251</td>
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<td>Purple/White</td>
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<td>4.623</td>
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</table>
PVC PERISTALTIC PUMP TUBING

CLEAR, ULTRA-FLEXIBLE
This autoclavable tubing sets the new standard for purity and quality in lab-grade, clear plastic Peristaltic Pump tubing. It is made from the highest grade resins and special plasticizers; no fillers or extenders are ever added. It resists a wide range of chemicals, is dimensionally stable and highly resistant to hardening and discoloration.

Of more than 300 laboratories surveyed, 98% rate the overall performance equal to or better than the brand they had been using.

- Specially formulated for use on Peristaltic Pumps.
- All coils marked continuously with I.D. and regulatory compliance.
- No more guessing what size you're using.
- All coils have one ft. interval markings for convenient measuring.
- Specially boxed for cleanliness, easy dispensing and storage.
- Extra Flexible Durometer (Shore A) of 55.
- Selected sizes come in 50 and 100 ft. boxes.
- Made of materials which comply with FDA Class VI Requirements.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>I.D. x O.D.</th>
<th>Max.press. psig</th>
<th>Price</th>
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<tbody>
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<td>37-516</td>
<td>5/8 x 7/32 x 3/32</td>
<td>73°F 125°F</td>
<td>120.25</td>
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<tr>
<td>37-517</td>
<td>7/16 x 3/16 x 3/32</td>
<td>73°F 125°F</td>
<td>151.74</td>
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<tr>
<td>37-518</td>
<td>11/16 x 7/32 x 3/32</td>
<td>73°F 125°F</td>
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<td>37-519</td>
<td>3/4 x 1 x 3/32</td>
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<tr>
<td>37-520</td>
<td>3/4 x 1 1/16 x 3/32</td>
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<td>3/4 x 1 1/8 x 3/32</td>
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<td>1 x 1 1/8 x 3/32</td>
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<td>37-526</td>
<td>1 x 1 1/4 x 3/32</td>
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<td>1/2 x 1 1/16 x 3/32</td>
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<td>73°F 125°F</td>
<td>761.67</td>
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ACID FLEXIBLE TUBING

VITON® RUBBER ACID FLEXIBLE 10 FT. LENGTH/POLYBAG

- Wall thickness of 0.914mm, 0.036 inches.
- Extruded from a unique blend of Viton® rubber to deliver longer pumping life.
- Especially recommended for use with strong acids, alkalis and solvents.
- Flexible enough to resist cracks and flex-fatigue in peristaltic pumps.
- Every lot is precision made, vulcanized and quality tested for consistent dimensions and performance.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Inner Diameter inches*</th>
<th>Outer Diameter inches*</th>
<th>Price</th>
</tr>
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<tr>
<td>37-564</td>
<td>1.524</td>
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</tr>
</tbody>
</table>

1-800-220-7574
www.sls-lux.com
MANIFOLD PUMP TUBING

ACCU-RATED™ MEDICAL GRADE PVC TUBING
• For critical applications requiring accurate and consistent flow rates.
• High precision guarantees consistent flow rate from tube to tube within the same product package.
• Transparent, yet has the same chemical resistance as Standard PVC Manifold Tubing.

ACCU-RATED™ PUMP TUBING FOR SMAC® ANALYZERS
• Formulated and extruded specifically for use with SMAC® analyzers.
• Flow rate is indicated by bridge color.
• Same flow rate accuracy and consistency as regular Accu-Rated PVC tubing
• Special Accu-Rated PVC Tubing bridge intervals and flow rates meet the strict requirements of SMAC analyzers.

ACCU-RATED PVC MANIFOLD PUMP TUBING
LENGTH 16" (406MM)-BRIDGE INTERVAL 6" (152MM) 12/POLYBAG
LENGTH 36" (914MM)-BRIDGE INTERVAL 6" (152MM) 1/POLYBAG

<table>
<thead>
<tr>
<th>Accu-Rated Catalog No.</th>
<th>Long Accu-Rated Catalog No.</th>
<th>Bridge Colors</th>
<th>Nominal Outer Diameter mm</th>
<th>Nominal Wall Thickness mm</th>
<th>Flow Rate cc/min</th>
<th>Accu-Rated Price</th>
<th>Long Price</th>
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<tbody>
<tr>
<td>37-700</td>
<td>37-725</td>
<td>Orange/Black</td>
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<td>37-702</td>
<td>37-727</td>
<td>Orange/Blue</td>
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<td>37-703</td>
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<td>37-704</td>
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</table>

ACCU-RATED™ MANIFOLD PUMP TUBING
FOR SMAC® ANALYZERS
BRIDGE INTERVAL 2.5" (63MM)-12/POLYBAG

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Bridge Colors</th>
<th>Length mm</th>
<th>Flow Rate cc/min.</th>
<th>Price</th>
</tr>
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<tbody>
<tr>
<td>37-750</td>
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<td>Orange/Yellow</td>
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<td>37-753</td>
<td>Orange/White</td>
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<td>37-756</td>
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<td>37-757</td>
<td>Red/Red</td>
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<td>.568</td>
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<td>406</td>
<td>.722</td>
<td>$29.00</td>
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</table>
ACID FLEXIBLE VITON® RUBBER MANIFOLD PUMP TUBING

- Extruded from a unique blend of Viton® rubber to deliver longer pumping life.
- Especially recommended for use with strong acids, alkalis and solvents.
- Flexible enough to resist cracks and flex-fatigue in peristaltic pumps.
- Every lot is precision made, vulcanized and quality tested for consistent dimensions and performance.
- Wall thickness of 0.914mm/0.036 inches.

ACID FLEX MANIFOLD PUMP TUBING
LENGTH 7" (178MM) - BRIDGE INTERVAL 127MM (5 IN)-12/POLYBAG

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<th>Catalog No.</th>
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<th>Outer Diameter mm</th>
<th>Price</th>
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<tr>
<td>37-626</td>
<td>Orange/White</td>
<td>0.635</td>
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<tr>
<td>37-627</td>
<td>Black/Black</td>
<td>0.762</td>
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<tr>
<td>37-628</td>
<td>Orange/Orange</td>
<td>0.889</td>
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<tr>
<td>37-629</td>
<td>White/White</td>
<td>1.016</td>
<td>2.845</td>
<td>80.00</td>
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<tr>
<td>37-630</td>
<td>Red/Red</td>
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<tr>
<td>37-631</td>
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<tr>
<td>37-633</td>
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<td>Yellow/Blue</td>
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MANIFOLD PUMP TUBING

MEDICAL GRADE SOLVENT FLEXIBLE PVC PUMP TUBING
- Manufactured from a uniquely formulated medical grade PVC.
- Ensures long pumping life when using routine solvents in medical applications.

NON-MEDICAL GRADE SOLVENT FLEXIBLE-HC TUBING
- Resists swelling and brittleness when exposed to solvents.
- For use in industrial (non-medical) applications - pumping fuels, lubricants, oils, kerosene and other aggressive solvents.
- Not for use with strong acids or alkalis.

SOLVENT FLEX MANIFOLD PUMP TUBING
LENGTH 16" (406MM)-BRIDGE INTERVAL 5.5" (140MM) 12/POLYBAG

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### Mediprene Tubing

- Mediprene Tubing is made from Santoprene®, a thermoplastic medical grade rubber.
- Significantly longer pumping life compared to silicone.
- Highly flexible tubing reduces failure and contamination.
- Meets USP Class IV and FDA criteria.
- Repeated sterilization by autoclaving will not effect tubing strength, shape or appearance.
- Highly resistant to UV light exposure and strong chemicals.
- Wall thickness of 0.914mm/0.36 inches.

<table>
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SLS-LUX SCIENTIFIC, INC.
1401 S. WADE BLVD. MILLVILLE, NJ 08332  1-800-220-7574  FAX 609-327-4642

ORDER FORM

SHIP TO: ____________________________ BILL TO: ____________________________

____________________________ ____________________________
____________________________ ____________________________
____________________________ ____________________________

PAYMENT BY:

Check ☐ Amt. Enclosed ____________________________ Order/requisition number ____________________________
Credit card ☐ Card type ____________________________ Will you accept substitutions? Yes or No (circle please)
Card number __________________________________________
On account Account no. ____________________________ Will you accept backorders? Yes or No (circle please)
COD ☐ Ship via __________________________________________
Tax exempt ☐ Exemption no. ____________________________ FOB destination ____________________________

Payment Policy: NET 30 DAYS

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Ordered by __________________________
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SPECIAL INSTRUCTIONS __________________________
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SUBTOTAL __________________________
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Handling charges __________________________
Insurance __________________________
Tax rate ___%  Tax __________________________

TOTAL DUE __________________________