



### Vakuwash® Cell Washer

All-Plastic Cell Washing Device

Economical, durable and gentle on delicate glass or quartz cells, the all-plastic Vakuwash® Cell Washer replaces costly, antiquated devices that are often more fragile than the cells they wash. The Vakuwash® Cell Washer comes complete with a 500cc polypropylene vacuum flask, Vikem® vinyl stopper and tube ready for connection to a vacuum line. The mouth of an inverted cell is pressed against the rubber cushion to induce suction. Water or

other cleaning fluid poured into the 89mm (3½") diameter funnel is forcibly sprayed 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. Minimum cell I.D must be 3mm or larger to fit over spray nozzle, and also must have a minimum of 10mm O.D.



CATALOG NO.	PRICE/EACH
F38960-0000	\$87.50

### Dialysis Cells...

are used in separation of proteins or other large molecules from solutions, pre-electrophoresis procedures, deionization of protein solutions, protein binding studies, drugs, dyes and metals. Used in quantitative removal of electrolytes from biological fluids, adjustment of composition and concentration of electrolytes in protein solutions, changing ion environments of synthetic or natural polymers.



### Equilibrium Type Dialysis Cells

Made from clear acrylic, these dialysis cells have stainless steel screws that tighten down on the dialysis membrane acting also as a gasket. Filler hole screws are Teflon® TFE coated stainless steel. Volume shown is for one half cell. Total cell volume is double that shown. There is a red dot on one half of the equilibrium cell for easy identification

of otherwise identical halves.



CATALOG NO.	CELL VOLUME (ONE HALF CELL)	PRICE/EACH
H40260-0000	1ml	\$96.00
H40261-0000	5ml	126.00
H40262-0000	10ml	120.00



### In-Line Equilibrium Cell

5 In-Line Cavities

Each cavity has a top opening for introduction or withdrawal of solutions and holds 1ml in each half cell. Clear acrylic construction with 7 stainless steel screws and wing nuts for clamping cells and dialysis membrane. The cavity plug screws are Teflon® TFE coated stainless steel. Complete cell measures 152 x 25 x 76mm H (6 x 1 x 3"H).



CATALOG NO.	PRICE/EACH
H40317-0000	\$159.00



### Dialysis Membranes

Regenerated cellulose sheet for use with all dialysis cells. Transparent, high permeability. Will retain materials having a molecular weight of 6000 and higher. Contains about 10% moisture including glycerin, water and 0.1% sulfur compounds. Can be steam sterilized but must be kept after washing or autoclaving in water to prevent drying. Sheet size 102 x 152 mm (4 x 6").

100 sheets per plastic box.

CATALOG NO.	PRICE/BOX
H40299-0000	\$53.70

Custom Designed Dialysis Cells Are Available on Request



### Stir And Add™ Cuvette Mixers

Made of clear acrylic with a straight handle, this tool is used to add enzymes or other materials to solutions in cuvettes (spectrophotometer cells). Up and down motion in cell provides complete mixing. 3 per bag, 12 bags per case.



CATALOG NO.	DESCRIPTION	PRICE/BAG
F37752-0000	For 10mm light path cells	\$28.50
F37752-0001	For semimicro cells	28.50

### Dialysis Bag Holder

Suspend dialysis bags in large beakers with these strong clips. Just slide the bag into the slot and clip onto the edge of the beaker. The molded polypropylene surface may be marked with identifying sequence numbers. Holders fit onto beakers or pitchers up to .25" thick. Autoclavable. 6 per bag, 6 bags per case.



CATALOG NO.	PRICE/BAG
F18237-0000	\$12.00

### Micro Dialysis Cell

A simple, dual-compartment cell for performing equilibrium dialysis measurements. The cell is useful for studies of binding of many ligands (substrates, hormones, haptens, drugs, etc.) to protein or membranes. It consists of two molded polypropylene halves which snap together tightly over a separating membrane. Each compartment holds 0.1ml and has a port for filling, sampling or replenishment by means of a micropipette or syringe. Ports are sealed by inserting small pins supplied. The cells may be adapted for flow through arrangements by using a proper size of hypodermic needle. Cells are 8.28mm inside diameter (.327"). Membranes available separately. 10 per box.



CATALOG NO.	PRICE/BOX
H40311-0000	\$69.30

### Dialysis Membrane Disks

For Scienceware® Model H40311-0000 Cells

Pre-cut disks sized to fit Scienceware® model H40311-0000 cells. Regenerated cellulose membranes are transparent, have high permeability, and will retain materials having a molecular weight of 6000 and higher. 100 per pack.

CATALOG NO.	PRICE/PACK
H40312-0000	\$30.90

### Fillpour™ Dialysis Tube Funnels

U.S. Patent No. 4,904,235

Easy Handling of Dialysis Tubes

This device ends difficulties in handling dialysis bags. Dialysis tubing is cut to length and knotted at the end. The other end is slipped onto the tube and held with Scienceware® silicone rubber loops F20308, or a rubber band. Three tube steps fit various sizes of dialysis tubing and a three notched universal hanger supports the funnel on the edge of any vessel. Also features a captive cap with writing area. Steam autoclavable at 121° C (250°F). 10 per bag.



CATALOG NO.	DESCRIPTION	PRICE/BAG
F14848-0000	Small size with 5, 9 and 13.5mm diameter steps	\$36.00
F14848-0001	Large size with 13.5, 19 and 28mm diameter steps	37.50