

COMPARISON OF CURRENT AND NEW 96-WELL EQUILIBRIUM DIALYSIS PLATES

PARAMETERS	CURRENT PLATE	NEW PLATE
Frame Dimensions	84mm x 120mm x 25.5mm	85.48mm x 127.76mm x 33.6mm (meets SBS standard)
Home Position of Plate	No	Yes
Top/Bottom Identification	No	Yes
Need of Carrier Plate for Automation	Yes	No
Sample Size/Well	50-200ul	50-200ul
Diameter of Well-Opening	6.6mm	4.9mm
Shape of Wells	Top extends outward	Top slightly tapers inward
Material of Wells	Polypropylene	Polypropylene, USP Class IV
Well Markings	Rows marked 1 thru 12 and Columns marked A thru H	Rows marked 1 thru 12 and Columns marked A thru H
Caps	8 strip caps snapped in place; Go inside wells	8 strip caps snapped in place; Go outside wells
Material of Caps	Polyethylene	Polyethylene
Permeable Membrane	Regenerated Cellulose	Regenerated Cellulose
Membrane Size, MWCO	5K and/or 10K	5K and/or 10K
Visible Membrane Size Marking	No	Yes
Membrane Attachment	Pressed between upper and lower wells and glued to seal perimeters of wells	Mounted between well openings by proprietary sealing technology without
Pre-wetting Membrane	Come dry for use	Come dry for use
Wetting Plate Membrane	Use Dry Membrane with buffer and sample	Use Dry Membrane with buffer and sample
Cross-contamination Problem	None (individual wells are separated)	None (individual wells are separated and sealed tight)
Inter-well Variations	None	None
Leakage	None at Manufacturing as tested prior to shipping: but Yes; 2-15% in the field; Membrane under tension facilitates breaking (due to membrane mounting method of self-sealed holes); Recommend to insert minimum pressure on membrane by using maximum sample fill-volume of 200ul and keeping empty sample-wells capped prior to adding buffer to the bottom wells)	None (due to improvement in membrane mounting method)
Unit Package	Includes a plate with 96 top and bottom wells attached to 5K or 10K membrane; 12 top 8-strip caps and 12 bottom 8-strip caps	Includes a plate with 96 top and bottom wells attached to 5K or 10K membrane; a total of twenty four 8-strip caps, 12 strips for top and 12
US LIST PRICE	\$383	To be available later