



## MEMBRA-CEL<sup>®</sup> DIALYSIS MEMBRANES

Seamless cellulose membranes featuring sharp Molecular Weight Cut-Offs in both tubing and flat sheets.



MEMBRA-CEL<sup>®</sup> dialysis membranes are made of regenerated cellulose using the viscose process. These semi-permeable membranes have distinct Molecular Weight Cut-Off (MWCOs) of 14,000, 7,000 and 3,500 daltons by excluding macromolecules with molecular radii from 50 down to 35 angstroms.

### Product Features and Benefits:

- Excellent pH and chemical stability, the membranes are stable in weak acids and bases
- Great compatibility with many salts –CaCl<sub>2</sub>, (NH<sub>4</sub>)<sub>2</sub>SO<sub>4</sub>, etc.
- Excellent compatibility with most aqueous organic solvents, such as alcohols and ketones
- Excellent temperature resistance
- Sensitive to microbial activity when humidified, however, growth of cellulolytic micro-organisms can be prevented by keeping the membrane in water containing benzoate, benzoic acid, or other preservatives
- Very low protein absorption
- Available\* in widths ranging from 10mm to 172mm and in rolls lengths of 100 or 500 feet
- Contains low levels of contaminants, some membranes contain glycerin as a humectant, contaminants may be removed by boiling prior to use

### MOLECULAR WEIGHT CUT-OFF

- 14,000, 7,500 or 3,500 daltons

### pH STABILITY RANGE

- Stable in the pH range of 5 to 9

### PROTEIN ABSORPTION

- < 1 ng/g of dry membrane

### TEMPERATURE RESISTANCE

- Membranes can be sterilized by autoclave
- Membranes with aqueous solutions can be frozen

### MICROBIAL RESISTANCE

- Membranes are sensitive to cellulose activity when humidified, using a preservative like benzoate will control bacterial growth

\*Not all MWCO's are available in all sizes.



## MEMBRA-CEL® DIALYSIS MEMBRANES

Contact a Viskase Sales Representative for specifics or to discuss custom widths.

### Storage & Handling:

- Use within two years of delivery
- Store in a cool, dry place
- Avoid hot or freezing cold storage areas
- Store in original containers until use
- Replace unused open dialysis membranes in sealed airtight bags in original container
- To avoid damaging materials, do not open cartons with knives, sharp instruments or hooks

### Viskase provides the best quality membranes meeting the highest standards!

We commit to continuous improvement management systems to ensure safer products, better quality and full traceability.

MEMBRA-CEL DIALYSIS MEMBRANES				
Size	Flat width (mm)	Diameter (mm)	Thickness (microns)	Molecular Weight Cut-Offs (KiloDaltons)
MC16	23	15	27	14
MC18	25	16	27	14
MC24	32	20	30	14
MC30	40	25	30	14
MC40	50	32	30	14
MC65	69	44	46	14
MC75	80	51	51	14
MC85	90	57	58	14
MC97	104	66	66	14
MC110	117	75	74	14
MC125	133	85	86	14
MC135	144	92	91	14
MC150	159	101	101	14
MC170	172	127	103	14
MD10	10	6	51	3.5, 7, and 14
MD25	25	16	20	3.5, 7, and 14
MD34	34	22	23	3.5, 7, and 14
MD44	44	28	20	3.5, 7, and 14
MD55	55	35	25	3.5, 7, and 14
MD77	77	49	41	3.5, 7, and 14

**VISKASE®**

www.viskase.com