



# NADIR® UC500 T

## Ultrafiltration Membrane

NADIR® UC500 is a regenerated cellulose (RC) ultrafiltration membrane with a nominal molecular weight cut-off (M.W.C.O) of 500,000 Da. This membrane is commonly used in environmental, metal, paint, paper, and pharmaceutical applications. UC500 membrane sheet is available in dry flat sheet rolls and is FDA compliant.

### Membrane Characteristics

Membrane Chemistry	Backing Material	Nominal M.W.C.O (Da)	Thickness (µm)
Regenerated Cellulose (RC)	Non-Woven Polyester	500,000	240 - 280

Permeability LMH/bar (GFD/psi) <sup>a</sup>	Retention PVP K85 (%) <sup>b</sup>	pH Range	Temperature Range
≥ 250 (≥ 10.2)	90.0 – 99.0	2.0 – 11.0	5 – 55 °C

<sup>a</sup> Test conditions: Clean water, 2 bar (29 psi), 20°C (68°F), crossflow operation. Membrane specifications may change without notice as design revisions occur.

<sup>b</sup> Test conditions: 4% PVP K85, 2 bar (29 psi), 20°C (68°F), crossflow operation.

### Important Information

**Standard Sizes:** NADIR flat sheet membrane is available in an A4 sample size of 210 mm x 297 mm (8.27 in x 11.69 in) and in a nominal roll size of 150 m x 1016 mm (492 ft x 40.0 in). Custom lengths may be available on request.

**Initial Flush:** MICRODYN-NADIR recommends flushing membrane for 30 minutes and discarding permeate during the flush prior to operation.

**Storage:** Membrane shipped dry should be stored away from direct sunlight in a cool, dry place. Please see *Membrane Storage Guide – Flat Sheet Membrane* (TSG-O-011).

## Solving Unmet Needs with Customized Products



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