

Microsep™ Advance Centrifugal Devices

Precise, quick recovery of microliter volumes



- ▶ Achieve 50X concentration and > 90% recovery in just minutes.
- ▶ Deadstop feature prevents samples from spinning to dryness.
- ▶ Versatile Omega™ membrane is available in a variety of MWCOs.
- ▶ Color-coded and laser etched for easy identification.

Applications

Ultrafiltration

- ▶ Concentrate dilute protein samples prior to electrophoresis.
- ▶ Exchange buffer and remove salt in samples.
- ▶ Isolate low molecular weight compounds from fermentation broths for natural product screening.
- ▶ Recover biomolecules from cell culture supernatants or lysates.

Microfiltration

- ▶ Clarify samples with gross particulate.
- ▶ Remove particulate from samples for HPLC analysis of drugs, amino acids, and antibodies.

Specifications

Materials of Construction

Filter Media: Omega (modified polyethersulfone) and Supor® (polyethersulfone) membranes
Sample Reservoir, Filtrate Receiver, and Cap: Polypropylene
Paddle: Polyethylene

Effective Filtration Area

3.3 cm²

Dimensions

Diameter: 17 mm (0.7 in.)
Length: 12.0 cm (4.9 in.)

Capacities

Maximum Sample Volume: 5.0 mL
Final Concentrate Volume:
65 µL (swinging bucket)
80 µL (45° angle rotor)
100 µL (34° angle rotor)
Filtrate Receiver Volume: 6.5 mL
Hold-Up Volume: 40 µL (membrane and paddle)

Operating Temperature Range

0 - 40 °C (32 - 104 °F)

pH Range

1 - 14

Maximum Centrifugal Force

7,500 x g (ultrafiltration)
14,000 x g (microfiltration)

Centrifuge

A fixed angle rotor or swinging bucket that accepts standard 17 x 100 mm tubes and is capable of 3,000 to 14,000 x g

Sanitization

Provided non-sterile. May be sanitized by filtering 70% ethanol through the device prior to use.

Ordering Information

Microsep Advance Centrifugal Devices With Omega Membrane

Part Number	Description	Pkg
MCP003C41	3K, gray	24/pkg
MCP003C46	3K, gray	100/pkg
MCP010C41	10K, blue	24/pkg
MCP010C46	10K, blue	100/pkg
MCP030C41	30K, red	24/pkg
MCP030C46	30K, red	100/pkg
MCP100C41	100K, clear	24/pkg
MCP100C46	100K, clear	100/pkg

Microsep Advance Centrifugal Devices With Supor Membrane

Part Number	Description	Pkg
MCPM02C67	0.2 µm, aqua	24/pkg
MCPM02C68	0.2 µm, aqua	100/pkg
MCPM45C67	0.45 µm, wildberry	24/pkg
MCPM45C68	0.45 µm, wildberry	100/pkg