

988 citations and counting.

Trust Microcon® filters for DNA and protein samples.

Microcon® Centrifugal Filters simply and efficiently concentrate and desalt solutions of any macromolecule, using any centrifuge that can accept 1.5 mL tubes. The low nonspecific binding characteristics of the Ultracel® membrane and the other device components, coupled with its medical-grade o-ring seal, allows the device to accommodate several wash steps with minimal sample loss. Microcon® filters offer:

- Typical recoveries of >95%, even for dilute solutions
- Reverse spin to maximize recovery, even in the smallest samples
- Convenient storage of filtrate or concentrated sample in standard microfuge tube
- Concentration factors up to 100X



The **Microcon® DNA Fast Flow Filter** is optimized for the concentration and recovery of genomic DNA with SDS buffer. With its reverse spin recovery, the device can maximize recovery from the smallest samples and yield concentration factors <20X for consistent reproducibility.

- High recovery for small volumes with reverse spin
- Low-binding Ultracel® membrane
- Fast processing

Sample applications:

- Recovery of genomic DNA for forensic applications
- Concentration and desalting of nucleic acids (high recovery alternative to ethanol precipitation)
- Removal of primers from amplified DNA
- Easy filtrate recovery, exploiting the flat membrane design

Applications Guidelines

Use the following table to choose the correct Microcon® device for your application.

Application	Microcon® Device		
	10K	30K	DNA Fast Flow
Peptide and growth factor concentration	•		
Protein concentration and desalting of columns eluates	•	•	
Protein concentration before electrophoresis or other assays	•	•	
Protein removal prior to HPLC	•	•	
Purification of macromolecular components found in tissue culture extracts and cell lysates	•	•	
Concentration of biological samples (antigens, antibodies, enzymes)		•	
Concentration of gDNA with or without SDS buffer		•	•
Concentration and desalting of nucleic acids (single- or double-stranded)	•	•	•
Removal of labeled nucleotides	•	•	•
Removal of labeled amino acids	•	•	•
Removal of primers from amplified DNA		•	•
Removal of linkers prior to cloning		•	•

Specifications

Maximum initial sample volume	0.5 mL (500 µL)
Typical final concentrate volume	5–50 µL
Maximum relative centrifugal force	
Microcon® 10K devices	14,000 × g
Microcon® 30K devices	14,000 × g
Microcon® DNA Fast Flow devices	500 × g
Recovery spin	1000 × g
Active membrane area	0.32 cm ²
Hold-up volume	≤ 10 µL
Dimensions	
Diameter	12.3 mm (0.5 in.)
Length (filter device and tube in concentration mode)	45.0 mm (1.8 in.)
Length (filter device and tube in recovery mode)	48.2 mm (1.9 in.)
Materials of construction	
Membrane	Ultracel® low binding regenerated cellulose
Device top	Polycarbonate
Membrane support base	Acetal
Filtrate/concentrate tube	Polypropylene
O-ring	Medical-grade silicone rubber

To learn more, please visit: www.millipore.com/psp

Ordering Information

Description	Qty	Catalogue No.
Microcon® 10K Device	100	MRCPR010
Microcon® 30K Device	100	MRCFOR030
Microcon® DNA Fast Flow Device	100	MRCFOR100

To Place an Order or Receive Technical Assistance

In the U.S. and Canada, call toll-free
1-800-645-5476

For other countries across Europe and
the world, please visit:

www.emdmillipore.com/offices

For Technical Service, please visit:

www.emdmillipore.com/techservice

Get Connected!

Join EMD Millipore Bioscience on your favorite social
media outlet for the latest updates, news, products,
innovations and contests!

 facebook.com/EMDMilliporeBioscience

 twitter.com/EMDMilliporeBio



www.emdmillipore.com