Amicon® Ultra Centrifugal Filters

Fast and easy sample concentration

- **Broad chemical compatibility:** Heat-sealed membrane eliminates adhesives and downstream extractables; compatible with pH 1 to 9
- **Reverse spin recovery:** Enables maximum protein recovery without introducing pipetting errors; low binding membrane and polypropylene housing for > 90% sample recovery
- **Reliable:** Spin precious samples with confidence in one robust, sleek unit that prevents leakage

Amicon® Ultra centrifugal filters provide fast sample processing and promote high sample recoveries, even in dilute samples, through ultrafiltration. The unique features of the Amicon® Ultra centrifugal filters give you the fastest, most efficient concentration for sensitive downstream applications.

### Applications

Protein Concentration, Nucleic Acid Concentration, Buffer Exchange, Dialysis, Desalting

### Product Performance

Amicon® Ultra 4 mL filters provide fast spin times with excellent recovery. Solutions of four different proteins (3 kDa cytochrome C, kDa cytochrome C, 30 kDa BSA and 100 kDa IgG) were concentrated using Amicon® Ultra 4 mL filters. Average percent recovery and spin times were recorded. Data show that more than 95% of all protein was recovered in 15 minutes or less.

### Features & Benefits

- **Dead stop:** Avoids spinning to dryness, provides a predictable concentration factor and no need to calibrate for several samples to run in parallel
- **Vertical membranes:** Aligned with filtrate rather than perpendicular for less clogging, less waste and faster filtration; capable of 25- to 80-fold concentration in a single step

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany
Easy to Choose!
Select the Amicon® Ultra Filter that best meets your sample needs. Choose your starting volume, identify the molecular weight of your molecule of interest, and identify final volume expected.

<table>
<thead>
<tr>
<th>Product</th>
<th>Amicon® Ultra-0.5</th>
<th>Amicon® Ultra-2</th>
<th>Amicon® Ultra-4</th>
<th>Amicon® Ultra-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum initial sample volume (mL)</td>
<td>0.5</td>
<td>2</td>
<td>4</td>
<td>15</td>
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<tr>
<td>Final concentrate (retentate) volume (µL)</td>
<td>15 – 20</td>
<td>15 – 70</td>
<td>30 – 70</td>
<td>150 – 300</td>
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<table>
<thead>
<tr>
<th>MWCO</th>
<th>Qty/Pk</th>
<th>3,000 MWCO</th>
<th>10,000 MWCO</th>
<th>30,000 MWCO</th>
<th>50,000 MWCO</th>
<th>100,000 MWCO</th>
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<tbody>
<tr>
<td>8</td>
<td>24</td>
<td>96</td>
<td>500</td>
<td>UFC500308</td>
<td>UFC500324</td>
<td>UFC500396</td>
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To Receive Technical Assistance in the U.S. and Canada
call toll free: 1(800)645-5476
For Technical Service, please email to:
www.emdmillipore.com/techservice

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