

mAbSep™ Spin Column Kit – High Capacity

Description:

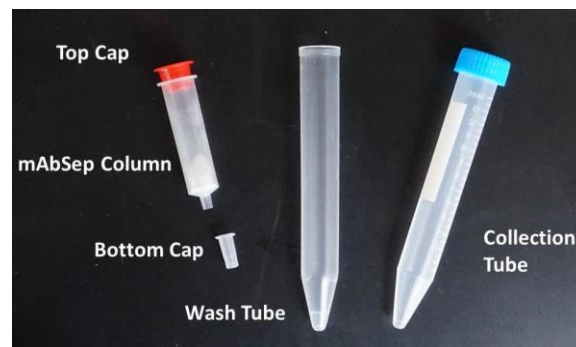
mAbSep is the **first** rapid, high capacity, mAb-focused spin column kit on the market. The column contains a special modified proprietary resin that provides an easy-to-use, high recovery, and totally non-denaturing method to remove salts and small molecules from monoclonal antibodies, antibody drug conjugates (ADC), and high molecular weight protein solutions. The column also provides a fast tool for buffer exchange. The sample capacity of these columns can be from 400 - 600 μL with almost 100% salt removal and yields up to 96%.

mAbSep spin columns have significant advantages compared with the traditional gravity elution NAP-5 or NAP-10 type columns:

- **Rapid 5 min spin vs. more than 20 min gravity equilibration and elution**
- **No preservatives to remove and displace, and no potential contamination**
- **Greater than 99% salt removal**
- **Up to 96% recovery**
- **Minimal sample dilution vs. >2x dilution**
- **Compatible with all downstream analysis**

mAb Sample Volume (μL)	Recovery %
400	90
500	96
600	93

The mAbSep spin column kit contains spin columns, top caps, bottom caps, wash tubes, and collection tubes with caps.



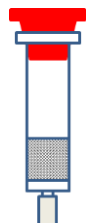
Instructions:

A: Additional equipment and material needed

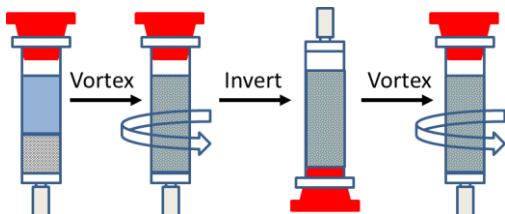
1. A swinging bucket centrifuge and rotor having 15 mL centrifuge tube holders, with adjustable speed and g force.
2. Vortex.
3. DI water.

B: Preparation and hydration of mAbSep Columns

1. Gently tap the column to insure settling of the dry resin at the bottom of the spin column.



- Remove the red top cap and keep the bottom cap on.
- Carefully add 3 mL of DI water on the top of the dry resin. Place the top cap firmly on the tube. Hold the top cap and put the spin column on a vortex with the tube at a slight angle, and vortex vigorously for 15 seconds. Holding the top cap, invert the column several times to be sure the resin slurry is moving freely with the rotation. Vortex again for 15 seconds.



Note: It is important to be sure there is no dry resin or resin aggregate stuck on the bottom of the column, and that the resin slurry is free moving.

- Put the column in the wash tube with both top and bottom caps on and let the resin hydrate for at least 30 min at room temperature.

Note: It is important to fully hydrate the dry resin before use. Hydration time should be at least 30 min at room temperature. Hydrated columns can be stored at 4°C for up to 24 hours. Allow refrigerated columns to warm to room temperature before use.

- After the resin has completely hydrated, carefully remove the red top cap, then the bottom cap. Put the spin column in the wash tube and spin at 800 x g for 2 min to remove hydration liquid. If there is a drop at the end of the column, blot it dry. Discard the liquid from the wash tube.

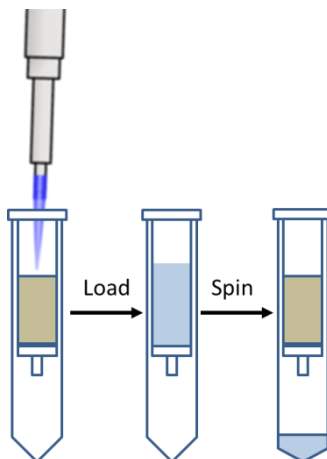


C: Sample loading and collection

- Place column in a collection tube and carefully apply a 400-600 µL sample (see data table above) to the center of the hydrated resin bed without disturbing the resin surface.

Note: Sample loading should be done as soon as hydration liquid is removed. Do not let the hydrated resin dry.

- Centrifuge the column with the collection tube at 800 x g for 3 minutes to collect the sample. Discard the column after use. Sample is now ready for downstream analysis.



P/N & Prices