

ConSep™ Spin Column

Instructions

Description:

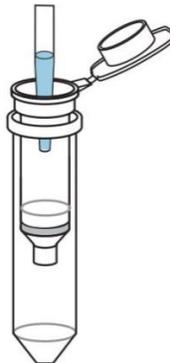
ConSep spin column contains a special modified proprietary resin that performs concentration and desalting in a single 4 minute process in a rapid, efficient, and totally non-denaturing way. This special modified resin is optimized for monoclonal antibodies and antibody drug conjugates (ADC). The sample volume required for these columns is 115 μ L. Each column contains a special low-adsorbance frit with pre-packaged dry resin and one collection tube.

The benefits of the ConSep spin columns compared with current membrane based spin columns:

- **No additional stress added on the proteins**
- **Rapid: 4 minute process vs. up to 20min process**
- **Up to 100% recovery**
- **Compatible with most down stress analysis**

Instruction:

1. Gently tap the column to insure the dry resin settles as a flat bed at the bottom of the spin column.
2. Place the spin column in a collection tube. Remove the cap from the column and
 - a. add **EXACTLY** 115 μ L of sample dropwise (\sim 1 drop per 2 seconds).
 - b. aim the drop so it lands in the middle of the resin (see the picture below).



Note:

- If the sample volume is <115 μ L, add DI water to make the volume up to 115 μ L.
- It is very important to add the sample **slowly** to give the resin some time to hydrate between the drops.
- Avoid letting the sample droplet stick on the wall of the column. If a droplet accidentally lands on the wall, pipette it up immediately and add it back onto the middle of the resin.

Cautions:

- Adding less than 115 μL of sample to the column may result in poor recovery.
 - Adding more than 115 μL of sample will decrease the concentration factor.
3. Let the column sit with the collection tube for 2 min at room temperature.
 4. Centrifuge the column with the collection tube at $2000 \times g$ for 2 minutes to collect the sample. Discard the column after use.

Note: For bigger capacity columns, please contact us for custom made columns.