



# ConSep™ Spin Column

## Instructions

### Description:

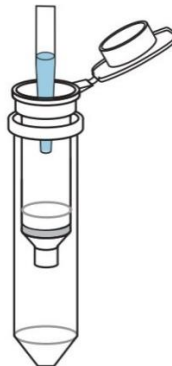
ConSep spin column contains a special modified proprietary resin that performs concentration and desalting in a single 4 minute process in a rapid, efficient, and totally non-denaturing way. This special modified resin is optimized for monoclonal antibodies and antibody drug conjugates (ADC). The sample volume required for these columns is 115  $\mu\text{L}$ . 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  $\mu\text{L}$  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  $<115 \mu\text{L}$ , add DI water to make the volume up to 115  $\mu\text{L}$ .
- 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  $\mu\text{L}$  of sample to the column may result in poor recovery.
  - Adding more than 115  $\mu\text{L}$  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.**