



G-25 Spin column removal of ExoQuick polymers

Materials

- ExoQuick-precipitated exosomes resuspended in 1x PBS
- GE Healthcare PD SpinTrap™ G-25 Desalting Columns
Fisher Scientific catalog# 45-001-527
- Sterile 1X PBS
- Standard laboratory microfuge (Eppendorf)

Protocol

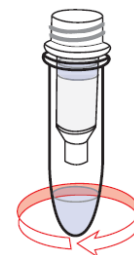
1. Spin column Preparation:

- Suspend the medium by vortexing briefly.
- Loosen screw cap lid and twist off bottom closure.
- Place the column in an appropriate size of the collection tube.
- Remove the storage solution by centrifugation for 1 minute at 1000 RPM (~ 800 x g).



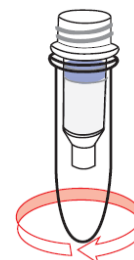
2. Equilibration

- Equilibrate by adding 400 ul of 1x PBS.
- Centrifuge for 1 minute at 1000 RPM.
- Discard the flow-through and replace the collection tube.
- Repeat the procedure 4 times (5 times total).



3. Sample Application:

- Replace the used collection tube with a new, clean collection tube for sample collection.
- Apply the sample (100-180 ul of intact exosomes in suspension) slowly in the center of the packed bed in the column. *Optional: After the sample has entered the packed bed, apply a stacker volume of PBS. Recommended for sample volume less than 140 ul.*



4. Elution:

- Elute by centrifugation 1000 RPM for 2 minutes.
- The cleaned exosomes are now available to use.

