invitrogen
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Exosome Spin Columns (MW3000)

Catalog Number 4484449

Pub. No. MAN0008464 **Rev.** 1.0

Contents	Quantity	Storage conditions
Spin Columns, Collections Tubes, and Elution Tubes	30 each	Ambient

WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from **www.lifetechnologies.com/support**.

Product description

Exosome Spin Columns (MW3000) provide an excellent tool for fast removal of unincorporated dye from labeled exosome preparations. They also can be used for buffer exchange or for the removal of low molecular weight (< MW 3000) admixtures (buffer components, salts, nucleotides, and short oligonucleotides) from exosome preparations. Contaminant removal by Exosome Spin Columns (MW3000) is easier and faster than traditional clean-up methods such as ultracentrifugation, spin filters, and dialysis.

Contaminant removal with the Spin Column

Note:

- Maximum yield and efficiency are obtained with horizontal or swinging-bucket type rotors. However, fixed-angle-rotor microcentrifuges will also provide acceptable performance.
- On a variable speed microcentrifuge, **do not** use the pulse button, which overrides the speed setting and takes the rotor to maximum speed.

1. Tap the column to settle the dry gel into the bottom of the spin column.
2. Hydrate the column with 650 µL of RNase-free water or the buffer of your choice (typically the same buffer used in the exosome samples, such as 1× PBS). Cap, vortex, tap out air bubbles, and hydrate at room temperature 5–15 min.

   Once rehydrated, the columns can be stored at 4°C for up to 3 days.
3. Place the Spin Column in a 2 mL Collection Tube and spin the column at 750 x g for 2 min at room temperature to remove excess interstitial fluid, keeping track of the orientation of the column in the rotor.
4. Discard the Collection Tube and immediately apply the exosome sample (20–100 µL) directly to the center of the gel bed at the top of the column.

   IMPORTANT! Do not disturb the gel surface or contact the sides of the column with the pipette tip or reaction mixture.
5. Place the Spin Column in the 1.5 mL Elution Tube and place in the rotor, maintaining orientation.
6. Spin the Spin Column in the tube at 750 x g for 2 min at room temperature.

   The exosome sample will be eluted into the Elution Tube.
7. Discard the Spin Column and store the eluate or continue with your procedure.

Related products

Product	Cat. no.
Total Exosome RNA and Protein Isolation Kit	4478545
Total Exosome Isolation (from serum)	4478360
Total Exosome Isolation (from cell culture media)	4478359
Total Exosome Isolation (from other body fluids)	4484453
Total Exosome Isolation (from plasma)	4484450
Total Exosome Isolation (from urine)	4484452
Exosome - Human CD63 Isolation/Detection (from cell culture media)	10606D
Exosome - Streptavidin Isolation/Detection	10608D
Exosome Immunoprecipitation (Protein A)	10610D
Exosome Immunoprecipitation (Protein G)	10612D
PBS - Phosphate-Buffered Saline 10×, pH 7.4	AM9624
Nuclease-Free Water (not DEPC-Treated) (1 × 100 mL)	AM9938

Limited product warranty

Life Technologies Corporation and/or its affiliate(s) warrant their products as set forth in the Life Technologies' General Terms and Conditions of Sale found on Life Technologies' website at **www.lifetechnologies.com/termsandconditions**. If you have any questions, please contact Life Technologies at **www.lifetechnologies.com/support**.

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