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1mL Medium Pressure Chromatography Empty Column

Cat.No. D00062

5mL Medium Pressure Chromatography Empty Column

Cat.No. D00063

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I Product Description

GenScript Medium Pressure Chromatography Empty Columns are specifically designed for the purification of antigens, antibodies, recombinant proteins, and more. They can be packed with chromatography media tailored to various resins, making them a powerful tool for purifying antibodies, recombinant proteins, and other molecules.

These medium pressure empty columns are compatible with liquid-phase chromatography purification systems (such as AKTA) and can also be connected to syringes or peristaltic pumps for flexible operation.

II Product Features

- Available in 1mL and 5mL sizes to meet different experimental needs.
- Medical-grade polypropylene (PP) column material with low adsorption and excellent biocompatibility.
- Columns can be used in series to enhance purification performance.
- Maximum pressure:
1mL column: 1 MPa
5mL column: 0.5 MPa

III Instruction for use

1. Treatment of the sieve plate

Use tweezers to hold one end of the sieve plate and gently place it into distilled water or 10% ethanol, ensuring that no air bubbles remain in the pores of the sieve plate;

Alternatively, place the sieve plate in a small beaker containing an appropriate amount of distilled water or resin storage buffer, and use an ultrasonic cleaner to sonicate for a few

seconds to remove bubbles from the pores of the sieve plate.

2. Installation of the bottom sieve plate

Take a bottom sieve plate, place it on the top of the column. Use the column packing plunger to gently push it down to the bottom of the column.

3. Resin filling

Use a dropper or pipette to slowly add the resin into the column and let it stand for a while to allow the resin to settle. When the resin settles to a suitable height, carefully add the resin storage buffer until the entire column is filled.

4. Installation of the upper sieve plate

Take an upper sieve plate, place it on the top of the column, and use the column push rod to push it horizontally to the upper end of the resin.

Note: If the sieve plate tilts after entering the column, use a small glass rod to gently push the upper edge of the sieve plate to make the sieve plate horizontal, and then use the column push rod to push it to the upper end of the resin.

5. Installation of the sealing plug

Place the column tube in the bracket of the manual column loading tool and put the bracket back on the base. Take the sealing plug and place it flat on the upper end of the sleeve. Squeeze the handle tightly to embed the sealing plug into the column tube. Remove the column tube from the bracket.

6. Sealing and storage of prepacked columns

Push the sealing sleeve down from the upper end of the column tube and tighten it. Insert the upper plug into the sealing plug and tighten it. Store the prepacked medium-pressure chromatography column at 4°C.

IV Related Products

Product name	Cat.No.
Ni Resin FF	L00465
Ni-IDA Resin FF Prepacked Column	L00684
High Affinity Ni-Charged Resin FF	L00666
High Affinity Ni-Charged Resin FF Prepacked Column	L00683
High Affinity Ni-TED Resin FF	L00885
Anti-DYKDDDDK Affinity Resin Easy	L00907
MonoRab™ Anti-Humanized VHH Affinity Resin FF	L00951
Anti-GS Linker Affinity Resin FF	L01036

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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