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Screw Cap Mini Spin Column

(Multipurpose Mini Spin Column with Break-Away Tip)

Catalog Number: EZC116 (store at room temperature), 50 Columns/pack, $79/pack

Product Information:

Description:

Enzymax Screw Cap Mini Spin Column is designed for multiple applications by filling with different affinity resin (protein A,G, GST, Ni etc…) or size exclusion resin (sephadex G25 or G50 etc...). It can also be used as a micro spin filter column (e.g. used in IP and Co-IP), which provides an easy and efficient column method for Immuno-precipitation (IP), Co-IP, and Immuno-depletion. These columns come with a screw cap and Break-Away/Snap-off Tip, which can also be conveniently used as an end plug.

Specifications:

- COLUMN/FRIT: Polypropylene (PE) FRIT pore size: 7-20 μm Column capacity/bed volume: ~700 μl
- Screw Cap and Break-Away/ snap-off tip: can be used as end cap

Selected applications

- Purification of oligonucleotides (>10bp) and removal of free and labeled dNTP in end-labeling with Sephadex G25 or G50
- Protein/DNA (PCR product etc..) desalting with Sephadex G25 or G50 resin
- Immuno-precipitation (IP) and co-Immunoprecipitation (Co-IP) with protein A, G, or L beads
- Antibody purification with affinity resin such as protein A, G, or L beads etc.
- Fusion tagged protein purification with Ni resin, GST resin, etc.
- Micro spin filter for IP, Co-IP
- Micro shredder spin column for homogenization of cell or tissue lysate.

General procedure: Salts, primers, dNTPs, small molecule can be effectively removed by Sephadex G25 or G50

Users should select a purification procedure suitable for their application. The following is a general procedure for PCR product desalting or removal of free and labeled dNTP in an end-labeling experiment using Sephadex G25 (oligo>10bp) or G50 (oligo>20bp).

1. Prepare 15% sephadex G50 or G25 slurry in water (ddH_2O).
2. Open the screw cap. Snap off the tip at the bottom and place the column into 1.5 or 2.0ml microcentrifuge.
3. Load 650 or 700 μl slurry to the column (or load ~600 μl packed resin). Note: mix the slurry before loading to the column.
4. Centrifuge at low speed (~1500 rpm or 100g) for 1 min in a microcentrifuge to remove the storage buffer from slurry.
5. Add 600 μl equilibrium buffer of your choice and spin, discard flow-through. If there is excess liquid at the bottom of the column, remove it with paper towel.
6. Carefully load 20-50 μl (<90 μl) sample to the center of the gel without disturbing the gel surface.
7. Spin the column with new collection tube to collect the flow-through. Discard the column.