96-Well SpinColumns™

(25 to 150 µl)

a brand of Harvard Bioscience, Inc.

Quick Start Guide

Description

96-Well SpinColumns bring speed and simplicity to high-throughput micro-sample preparation. Both Micro SpinColumns and Macro SpinColumns are suitable for automation and available with our complete range of packing materials. They can be pre-packed with custom requested materials. Intended for single use only.

Instructions

1. Tap the SpinColumn gently to ensure that the dry column material is settled at the bottom.
2. Remove the foil from as many rows as desired for your application using a razor or other sharp blade.
3. Place the SpinColumn into one of the collection tubes and follow instructions below.

For Gel Filtration/ Ion Exchange Columns:

a. Pipette 200 µl of buffer into all open wells.

b. Wait 15 minutes for hydration.

c. Centrifuge plate for 2 minutes at 2000 x g.

d. Wash column as needed for your application.

For Silica Columns:

a. Pipette 200 µl of organic solvent into open wells.

b. Centrifuge for 2 minutes at 2000 x g to equilibrate.

4. Remove the SpinColumn from the collection plate and blot dry any moisture on the exterior of the column.
5. Pipette 50 to 100 µl of sample to the top of the well, placing the sample directly in the center of the wells.
6. Place the column plate into a new collection plate and spin for 2 minutes at 2000 x g. For some applications, such as gel filtration, the purified sample is now ready for further use.
7. If step 5 results in binding of the sample to the column bed, next elute the sample. Add a suitable volume of the desired elution buffer to the wells and spin for 2 minutes at 2000 x g. If necessary, the columns can be washed with a suitable buffer to remove contaminants before elution of the sample. It is not necessary to use a fresh collection plate for each washing step.

Notes:

SpinColumns are intended for single use only. Quality of results cannot be guaranteed if plate is re-used.

Ordering Information

Empty SpinColumns		
Frit	**96-well Micro SpinColumns**	**96-well Macro SpinColumns**
5 µm frit	74-5635	74-5649
20 µm frit	74-5610	74-5650
40 µm frit	74-5636	-

Filled SpinColumns		
Media Type	**96-well Micro SpinColumns**	**96-well Macro SpinColumns**
Ion Exchange		
Strong Anion Q	74-5624	74-5664
Weak Anion PEI	74-5633	74-5673
Weak Anion DEAE	-	74-5666
Strong Cation SA	74-5632	74-5672
Strong Cation SP	74-5625	74-5665
Weak Cation CM	74-5627	74-5667
Weak Cation AA	-	74-5674
Gel Filtration		
Sephadex, G-10 (700 D)	74-5611	74-5651
Sephadex, G-25 (5 kD)	74-5612	74-5652
Sephadex, G-50 (30 kD)	74-5613	74-5653
Sephadex, G-100 (100 kD)	74-5614	74-5654
Polyacrylamide, P-2 (2 kD)	74-5615	74-5655
Polyacrylamide, P-6 (6 kD)	74-5616	74-5656
Hydrophilic (Normal Phase)		
Amino (NH2)	74-5622	74-5662
Cyano (CN)	74-5621	74-5661
PHEA	74-5623	74-5663
Silica	74-5620	74-5660
Hydrophobic (Reverse Phase)		
C4	74-5619	74-5659
C8	74-5618	74-5658
C18	74-5617	74-5657
C18 Targa	74-5637	-
Misc.		
Activated Charcoal	74-5629	74-5669
Cellulose	74-5630	74-5670
Detergent Removal	74-5628	74-5668

Key:

Q = quaternary ammonium (Sepharose, Fast Flow)

PEI= linear polyethyleneimine (Silica Based: Organic Compatible)

DEAE = cross-linked diethylaminoethyl (Sepharose)

PHEA = Hydrophilic Polyhydroxyethyl Aspartamide

SA = Sulfoethyl Aspartamide (Silica Based: Organic Compatible)

CM = carboxymethyl 12 µm, 300 Å (Sepharose)

SP = sulfopropyl (Sepharose, Fast Flow)

AA = Aspartic Acid 20 µm, 300 Å (Silica Based: Organic Compatible)