Ordering information

SPM HPLC Columns

Density: 0.2 g/㎤ | Pore size: 10 µm

Product	Material	Functional group	Length (mm)	ID (mm)	Cat. no.
SPM HPLC Column – PEGM Epoxy	SUS	PEGM – Epoxy	30	4.6	EP-4630-10S
			50		EP-4650-10S
			100		EP-46100-10S
SPM HPLC Column – PEGM-OH2 Diol	SUS	PEGM-OH2 – Diol	30	4.6	EPH-4630-10S
			50		EPH-4650-10S
			100		EPH-46100-10S
SPM HPLC Column – EVA Hydrophobic Ester	SUS	EVA – Hydrophobic Ester	30	4.6	EV-4630-10S
			50		EV-4650-10S
			100		EV-46100-10S
SPM HPLC Column – EVA-OH Hydroxyl	SUS	EVA-OH – Hydroxyl	30	4.6	EVH-4630-10S
			50		EVH-4650-10S
			100		EVH-46100-10S
SPM HPLC Column – PEGM Epoxy	PEEK	PEGM – Epoxy	30	4.6	EP-4630-10P
			50		EP-4650-10P
			100		EP-46100-10P
SPM HPLC Column – PEGM-OH2 Diol	PEEK	PEGM-OH2 – Diol	30	4.6	EPH-4630-10P
			50		EPH-4650-10P
			100		EPH-46100-10P
SPM HPLC Column – EVA Hydrophobic Ester	PEEK	EVA – Hydrophobic Ester	30	4.6	EV-4630-10P
			50		EV-4650-10P
			100		EV-46100-10P
SPM HPLC Column – EVA-OH Hydroxyl	PEEK	EVA-OH – Hydroxyl	30	4.6	EVH-463010P
			50		EVH-4650-10P
			100		EVH-46100-10P

Standard Specifications & Custom Configurations

- HPLC Columns: Available with densities of 0.2 or 0.3 g/cm³ and pore sizes of 10, 30, or 60 µm.
- SPE Cartridges: Available in 1 mL or 3 mL volumes, with pore sizes of 10 or 60 µm.

Custom specifications and sizes are available upon request. Please contact us for further information.

Ordering information

SPM SPE Cartridges

Density: 0.2 g/㎤ | Pore size: 10 µm

Product	Functional group	Configuration code	Volume (mL)	Cat. no.
SPM SPE Cartridge – PEGM Epoxy	PEGM – Epoxy	10T	3	SP3M-EP-10T
SPM SPE Cartridge – PEGM Epoxy	PEGM – Epoxy	10	3	SP3M-EP-10
SPM SPE Cartridge – EVA Hydrophobic Ester	EVA – Hydrophobic Ester	10T	3	SP3M-EV-10T
SPM SPE Cartridge – EVA Hydrophobic Ester	EVA – Hydrophobic Ester	10	3	SP3M-EV-10

Standard Specifications & Custom Configurations

- HPLC Columns: Available with densities of 0.2 or 0.3 g/cm³ and pore sizes of 10, 30, or 60 µm.
- SPE Cartridges: Available in 1 mL or 3 mL volumes, with pore sizes of 10 or 60 µm.

Custom specifications and sizes are available upon request. Please contact us for further information.

Protein A Immobilization Protocol

Protein A (46.7 kDa) is a cell wall protein from Staphylococcus aureus with four immunoglobulin G (IgG)-binding sites. It retains its IgG-binding activity following exposure to 4 M urea and 6 M guanidine hydrochloride.

Reference: Kubota K, Kubo T, Tanigawa T, Naito T, Otsuka K. Sci Rep. 2017;7:178.

Protein A Immobilization on an SPM-Packed Affinity Column

Reagents: Water, acetonitrile, phosphate buffer, and Protein A

1. Prepare 1 mL of Protein A solution (1 mg/mL) in 10 mM phosphate buffer (pH 7).
2. Sequentially wash the SPM-packed column with 5 mL of acetonitrile and 5 mL of water.
3. Inject half of the Protein A solution, followed by the remaining half in the reverse flow direction.
4. Cap both ends of the column and incubate at 37 °C for 24 hours.
5. Wash the column with water at a flow rate of 1 mL/min for 60 minutes using an HPLC pump.

Storage: Replace the solvent with water and store the sealed column under refrigeration. Under these conditions, the column remained usable for up to one year.