SPE Cartridges

Nuclear Medicine Applications

eichrom®
A BRAND OF
EICHROM TECHNOLOGIES

- Medical grade polypropylene
- 2mL and 1mL nominal media volume
- Sintered polyethylene frits, 15 - 45 μm pore size
- Luer-compatible male and female end fittings
- Maintain pressure up to 60 psi (4 bar)
- Color-coded labeling of each cartridge

Alumina – N

Neutral Alumina, Activity I. Highly active polar adsorbent with neutral surface chemistry. Stable over wide pH range.

ALN-R50	package of 50 x 2mL cartridges	(1620 mg each)

QMA

Quaternary amine strong base anion exchange functionality chemically bonded to a spherical silica substrate. Unique functionalization process produces material with high functional ligand density and stability over wide pH range.

QMA-R50	package of 50 x 2mL cartridges	(720mg each)
QMA1ML-R50	package of 50 x 1mL cartridges	(370mg each)

C18

Octadecyl (C18) functionality chemically bonded to an end-capped silica substrate. Unique functionalization process produces material that is stable over wide pH and temperature ranges.

C18-R50	package of 50 x 2mL cartridges	(650 mg each)
C181ML-R50	package of 50 x 1mL cartridges	(370 mg each)

PS2

Macroporous styrene divinylbenzene resin with high surface area. Suited for the separation of proteins, peptides, pesticides, and low molecular weight compounds.

PS2-R50	package of 50 x 2mL cartridges	(360 mg each)

1955 University Lane, Lisle, IL 60532 • Phone: 630.963.0320 • Fax: 630.963.1928 • www.eichrom.com

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Alumina-N

Neutral Alumina, Activity I. Highly active polar adsorbent with neutral surface chemistry. Stable over wide pH range.

substrate:	alumina
particle size:	63-200 µm
surface area:	150 m^2/g
pH stability:	0-10

QMA

Quaternary amine strong base anion exchange functionality chemically bonded to a spherical silica substrate. Unique functionalization process produces material with high functional ligand density and stability over wide pH range.

substrate:	spherical silica
particle size:	40-60 µm
pore size:	300 Å
surface area:	120 m^2/g
% carbon:	3%
pH stability:	2-9

C18

Octadecyl (C18) functionality chemically bonded to an end-capped silica substrate. Unique functionalization process produces material that is stable over wide pH and temperature ranges.

substrate:	silica (end capped)
particle size:	50-80 µm
pore size:	150 Å
surface area:	250 m^2/g
% carbon:	12%
pH stability:	1-10

PS2

Macroporous styrene divinylbenzene resin with high surface area. Suited for the separation of proteins, peptides, pesticides, and low molecular weight compounds.

substrate:	styrene divinylbenzene
particle size:	50-100 µm
pore size:	300 Å
surface area:	700 m^2/g
% carbon:	92%
pH stability:	0-14

For more than 25 years Eichrom Technologies has been developing, manufacturing and marketing cutting edge sample preparation and laboratory chromatography products for environmental radiochemistry, isotope geochemistry, and nuclear medicine. With a quality management system registered to the ISO 9001 standard since 1993, an R&D laboratory licensed to work with radioactive materials and company affiliates in Europe and Asia, Eichrom has a global and technical reach that positions us as a worldwide market leader.

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