

LiChrolut® SPE Products

Reverse Phase, Normal Phase & Ion Exchange

The LiChrolut® SPE line also represents one of our original brands. For LiChrolut® silica specifications, please refer to page 2. The table below contains

information about the typical applications for each LiChrolut® product. This selection guide will help you select the right product for your application needs.

Application	LiChrolut® extraction column	Typical sample matrix	Typical sample substances	Typical elution solvent
Non-polar extraction	RP-18 RP-18e (endcapped) CN	Aqueous buffer solution	Aromatic ring systems, compounds with alkyl chains	Acetonitrile, methanol, ethyl acetate
Cation exchange extraction	SCX (strong)	Methanolic/aqueous buffer with low ionic strength; 2 pH units under pK value of the sample substance	Cations: amines, pyrimidines	Aqueous buffer of high ionic strength (0.1 mol/L); 2 pH units over pK value of the sample substance
Mixed mode extraction	TSC (Tox Screening Cation)	Body fluids (not for in vitro)	Cationic and neutral analytes	Chloroform-acetone, NH3-ethyl-acetate or NH3-methanol
Non-polar extraction on a polymer phase	EN	Drinking, ground and surface water	Polar contaminants: pesticides, phenols, explosives, anilines	Ethyl acetate, methanol, acetonitrile:methanol (1:1)
Non-polar extraction on a polymer phase	EN	Body fluids (not for in vitro)	Pharmaceuticals	Acetonitrile, methanol
Medium polar extraction of environmental pollutants	Florisil®	Waste/ground/drinking water, soil samples	Herbicides, pesticides, PCBs, PCPs, dioxins, phenols, nitro compounds, HCHs	n-Hexane, dichloromethane

Description	Qty.	Cat. No.
LiChrolut® EN (40 - 120 µm)		
200 mg/3 mL	30	1.19693.0001
200 mg/3 mL*	30	1.19870.0001
500 mg/6 mL	30	1.19691.0001
200 mg/6 mL	30	1.19941.0001
LiChrolut® EN / RP-18 (top)		
100/200 mg/6 mL	30	1.19912.0001
LiChrolut® Florisil® (150 - 250 µm)		
1000 mg/6 mL	30	1.19127.0001
LiChrolut® RP-18 (40 - 63 µm)		
100 mg/1 mL	100	1.19855.0001
200 mg/3 mL	50	1.02014.0001
500 mg/3 mL	50	1.02023.0001
500 mg/6 mL	30	1.19687.0001
1000 mg/6 mL	30	1.02122.0001
2000 mg/6 mL	30	1.19686.0001

Description	Qty.	Cat. No.
LiChrolut® RP-18e (40 - 63 µm)		
200 mg/3 mL	50	1.19847.0001
500 mg/3 mL	50	1.19849.0001
LiChrolut® SCX (40 - 63 µm)		
200 mg/3 mL	50	1.02016.0001
500 mg/3 mL	50	1.02022.0001
LiChrolut® TSC (40 - 63 µm)		
300 mg/3 mL		1.19767.0001

*glass SPE tube