

Solvent Guide

The following graphic is a guide for eluents.

Aqueous SEC Solvent Selection Guide

Polymer	Class	Eluent
Polyethylene oxide Polyethylene glycol Polysaccharides, pullulans Dextrans Celluloses (water-soluble) Polyvinyl alcohol Polyacrylamide	Neutral	0.10 M Sodium nitrate
Polyvinyl pyrrolidone	Neutral, hydrophobic	80:20 0.10 M Sodium nitrate/Acetonitrile
Polystyrene sulfonate Lignin sulfonate	Anionic, hydrophobic	
Collagen/gelatin	Amphoteric	
Polyacrylic acid Polyalginic acid/alginate Hyaluronic acid Carrageenan	Anionic	0.10 M Sodium nitrate
DEAE dextran Polyvinylamine	Cationic	0.80 M Sodium nitrate
Polyepiamine	Cationic	0.10% TEA
n-Acetylglucosamine	Cationic	0.10 M TEA/1% Acetic acid
Polyethyleneimine Poly(n-methyl-2-vinyl pyridinium) I salt	Cationic, hydrophobic	0.50 M Sodium acetate/0.50 M Acetic acid
Lysozyme Chitosan	Cationic, hydrophobic	0.50 M Acetic acid/0.30 M Sodium sulfate
Polylysine	Cationic, hydrophobic	5% Ammonium biphosphate/3% Acetonitrile (pH = 4.0)
Peptides	Cationic, hydrophobic	0.10% TFA/40% Acetonitrile