

List of HPLC and GPC columns:

HPLC Columns

Name of Column	Specifications	Applications
Zorbax Eclipse Plus C18	Length: 250 mm Diameter: 4.6 mm Particle Size: 5 µm Pressure Rating: 400 bar Pore Size: 95 Å Mobile Phase: 85%methanol+15%water Temperature Limit: 40 °C at pH 6-9, 60 °C at pH 2-6 Molecular Weight Lower Limit: 0 Da Molecular Weight Upper Limit: 3000 Da pH Range: 2 – 9 Separation Mode: Reverse Phase Carbon Load: 9%	Separations for basic compounds, acids, and neutrals. High-speed reverse-phase HPLC.
Zorbax Eclipse Plus C8	Length: 250 mm Diameter: 4.6 mm Particle Size: 5 µm Pressure Rating: 400 bar Pore Size: 95 Å Mobile Phase: 85%methanol+15%water Temperature Limit: 40 °C at pH 6-9, 60 °C at pH 2-6 Molecular Weight Lower Limit: 0 Da Molecular Weight Upper Limit: 3000 Da pH Range: 2 – 9 Separation Mode: Reverse Phase Carbon Load: 7%	Basic compounds, acids, and neutrals

Poroshell 120 EC C18	Length: 50 mm Diameter: 3 mm Particle Size: 2.7 µm Pressure Rating: 600 bar Pore Size: 120 Å Mobile Phase: 60% ACN+40% water Temperature Limit: 60 °C Molecular Weight Lower Limit: 0 Da Molecular Weight Upper Limit: 3000 Da pH Range: 2 – 8 Separation Mode: Reverse Phase Carbon Load: 10%	General purpose column, versatile pH range (2.0-9.0), max 60°C temp, ideal for diverse chromatographic needs
Poroshell 120 EC C18	Length: 150 mm Diameter: 4.6 mm Particle Size: 4 µm Pressure Rating: 600 bar Pore Size: 120 Å Mobile Phase: 75% ACN+25% water Temperature Limit: 60 °C Molecular Weight Lower Limit: 0 Da Molecular Weight Upper Limit: 3000 Da pH Range: 2 – 8 Separation Mode: Reverse Phase Carbon Load: 10%	General purpose column, versatile pH range (2.0-9.0), max 60°C temp, ideal for diverse chromatographic needs.

GPC Columns

Name of Column	Specifications	Applications
PL Aqua Gel OH 30	Length: 300 mm Inner Diameter: 7.5 mm	Aqueous eluents to analyze synthetic polymers, starches, polysaccharides resolving range 100 Da to 60 kDa

	Particle Size: 8 µm Pressure: 112 bar Mobile Phase: water containing 0.02% Sodium Azide Temperature Limit: 90 °C Molecular Weight Lower Limit: 100 Da Molecular Weight Upper Limit: 60,000 Da pH Range: 2 – 10	
PL Gel Mixed-C	Length: 300 mm Inner Diameter: 7.5 mm Particle Size: 5 µm Pressure: 150 bar Mobile Phase: • Acetic Acid • Benzene • Chloroform • Dichloroethane • Dichloromethane • Dioxane • Ethyl Acetate • Heptane • Methyl Ethyl Ketone • THF • Toluene • Trichloroethane • Xylene Temperature Limit: 150 °C Molecular Weight Lower Limit: 20 Da Molecular Weight Upper Limit: 2000000 Da pH Range: 1-14	Linear mixed GPC/SEC column for non-polar organic eluents e.g., THF, Toluene, Chloroform, to analyze non-polar polymers resolving range 200 Da to 2 MDa