MONOSACCHARIDE ANALYSIS (PA10)

CarboPac PA10 Column for Monosaccharide and Disaccharide Analysis Specifications	
Dimensions	CarboPac PA10 Analytical Column: 4 × 250 mm and 2 × 250 mm CarboPac PA10 Guard Column: 4 × 50 mm and 2 × 50 mm
Maximum operating pressure	3500 psi (24.5 MPa)
Temperature range	4–55 °C Recommended operating temperature: ambient
Typical operating conditions	1900 psi at 1.0 mL/min (analytical and guard columns) Recommended flow rate: 1.0 mL/min
Mobile phase compatibility	pH 0–14; up to 90% of common HPLC solvents. Avoid anionic detergents and 100% water. Acetate or hydroxide eluents only.
Resin composition	10-µm-diameter substrate (ethylvinylbenzene 55% cross-linked with divinylbenzene) agglomerated with 460-nm MicroBead™ difunctional quaternary ammonium ion (5% cross-linked).
Anion-exchange capacity	Approximately 100 µeq/column (4 × 250 mm analytical column)
Column construction	PEEK with 10-32 threaded ferrule-style end fittings. All components are nonmetallic.

CarboPac PA100 Column for Oligosaccharide Analysis Specifications	
Dimensions	CarboPac PA100 Analytical Column: 4 × 250 mm CarboPac PA100 Guard Column: 4 × 50 mm CarboPac PA100 Microbore Column: 2 × 250 mm CarboPac PA100 Microbore Guard Column: 2 × 50 mm CarboPac PA100 Semipreparative Column: 9 × 250 mm CarboPac PA100 Semipreparative Column: 22 × 250 mm
Maximum operating pressure	4000 psi (27.9 MPa)
Temperature range	4–60 °C Recommended operating temperature: ambient
Typical operating conditions	2400 psi at 1.0 mL/min (analytical and guard columns) Recommended flow rate: 1.0 mL/min
Mobile phase compatibility	pH 0–14; 100% compatible with common organic solvents. Ionic form eluents: sodium acetate and sodium hydroxide only.
Resin composition	8.5-µm-diameter ethylvinylbenzene/divinylbenzene substrate (55% cross-linking) agglomerated with 275-nm MicroBead™ quaternary amine functionalized latex (6% cross-linked).
Anion-exchange capacity	Approximately 90 µeq/column (4 × 250 mm analytical column)