

Fully automated parallel chromatography



OPUS® RoboColumn® Pre-packed Columns work with robotic fluid handlers for fully automated parallel chromatography.

Up to 96 RoboColumn® (8 column types in parallel) can be individually arranged on a 96-well array plate according to application requirements. Resin is contained to form a bed between two filter frits and validated with consideration to resin compression requirements, to ensure high efficiency, good asymmetry and robust chromatography performance.



- Convenient, pre-packed columns provided ready-to-use
- Proven in the industry for over 12 years
- Automated, use with Tecan and Perkin Elmer robotic fluid handlers
- Scale-up and scale-down due to constant residence time
- Flexible, packed with user-specified resin, multiple column volumes

Plate size	128.3 L x 86.0 W x 14.0 mm H					
Plate material	Polyoxymethylene copolymer					
Number of wells	96					
Column volume	50 µL	100 µL	200 µL	450 µL	500 µL	600 µL
Bed height	2.5 mm	5.0 mm	10.0 mm	22.5 mm	25.0 mm	30.0 mm
Column inner diameter	5 mm					
Materials of construction	Column tube: Polypropylene, Frit: Porex PP/PE 7 - 12 µm pore size					
Chemical stability	All commonly used aqueous buffers, pH 1 – 14, organic solvents*. Avoid the use of halogenated organic solvents, hexane					
Column storage solution	<ul style="list-style-type: none"> • AIEC and CIEC Columns: 20 % ethanol + 150 mM sodium chloride • HIC, SEC, Affinity and MMC Columns: 20 % ethanol • CHT™, CFT Columns (Bio-Rad): 20 % ethanol + 10 mM sodium phosphate, pH 6.8 • ProSep® Columns (Millipore): 1 % benzyl alcohol + 0.1 M sodium acetate, pH 5.1 					
Recommended storage temp.	IEC, CIEC, HIC, SEC and MMC: +4° C to +30° C, Affinity Columns: +2° C to +8° C					
Maximum working pressure	Up to 8.0 bar					
Working temperature	+4° C to +30° C					
Flow velocity	16 – 1000 cm/h**					
Labeling	Laser-etched on every individual column body. Label contains: Product number, Resin name, Column volume in µL					

* Note: The chemical stability of the packed chromatography resin has also to be taken into consideration. For more information please refer to the manufacturer’s resin specification. ** The Liquid Transfer menu of the Te-Chrom™ Wizard enables set up of the flow rate for each individual dispensing and chromatography step (5.1.1.6 Liquid Transfer, Te-Chrom™ Wizard Software Manual, 396076, en, V1.0).

