

### Pre-packed Laboratory Columns

All BioToolomics chromatography resins are available in pre-packed laboratory columns, particularly suitable for ready-to-use sample preparations, process development and viral clearance studies etc.

The columns have robust design showing excellent flow distribution property with minimum void volume. They have standard connection compatible to AKTA and most other chromatography systems.

Column pressure rating: 6 bar (0.6 MPa, 84 psi)

Other bed heights (1 cm to 100 cm) available on request

#### Column Sizes and Types

Column Name	Bed Dimension (ID x BH, mm)	Bed Volume	Resins Packed
HiSep	7 x 25	1 ml	<b>Affinity:</b> Protein A, Protein G, Ni-NTA, MBP, Heparin (SepFast HighRes, SepFast, SepFast Large Beads)
	16 x 25	5 ml	
Optio	11 x 100	9.5 ml	<b>IEX:</b> Q, DEAE, SP, CM (SepFast HighRes, HighRes Plus, 6HF, 6HF Plus, Large Beads, Large Beads Plus, SepFast DUO)  <b>HIC:</b> Butyl, Butyl-S, Phenyl, Phenyl high sub, Octyl (SepFast HighRes, 6HF, Large Beads)  <b>Mixed-Mode:</b> MabPolish, MabPolish DUO, ViralPolish 400A, 400B, 700A, 700B, 5000A, 5000B
	16 x 100	20 ml	
	16 x 200	40 ml	
	26 x 100	53 ml	
	26 x 200	106 ml	
	50 x 100	196 ml	
Gel Filtration (SEC)	11 x 300	28.5 ml	SepFast SEC 1-10KDa SepFast SEC 3-70KDa SepFast SEC 6-600KDa SepFast SEC 6-5000KDa
	16 x 600	120 ml	
	26 x 600	318 ml	
Desalting	26 x 100	53 ml	Desalting or buffer exchange
	SuperSpin DeSaltor	n/a	10 – 100 microlitre sample can be desalted

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