

EconoFit Chromatography Columns

Prepacked, disposable, low-pressure columns

- Increased run-to-run uniformity
- High protein purity through improved column design and expanded resin selection
- Compatible with most commonly used chromatography systems

Overview

EconoFit Chromatography Columns are convenient, disposable, prepacked, low-pressure chromatography columns that offer increased run-to-run uniformity through the column design. For resin-specific guidance, go to bio-rad.com/EconoFit and consult the instruction manual. Please visit bio-rad.com/Columns, to view our most up-to-date offering for different types of chromatography columns.

Specifications

Property	Description
Dimensions (D x H)	1 ml: 7 x 25 mm 5 ml: 16 x 25 mm
Maximum pressure tolerance (hardware)	72 psi/5 bar/0.5 MPa
Recommended flow rate	Varies for each support type*
Fittings	10–32 (1/16"), female inlet and male outlet
Column material	Polypropylene
Frit material	High-density polyethylene

* Please refer to the online product manual for resin-specific guidance.



EconoFit Columns: Prepacked, disposable, low-pressure columns that are compatible with commonly used chromatography systems.

Ordering Information

Resin Chemistry	Media	Chemical Form	Protein Capacity	EconoFit Catalog Numbers by Column Size				
				1 x 1 ml	5 x 1 ml	1 x 5 ml	5 x 5 ml	
Affinity	Affi-Gel Blue	Cibacron Blue F3GA	0.2 ml serum, 11 mg albumin	–	–	12009234	12009235	
	Affi-Prep Protein A	Protein A	8–10 mg mouse monoclonal IgG1	–	12009236	12009237	–	
	DEAE Affi-Gel Blue	DEAE–Cibacron Blue	0.2–1.0 ml serum F3GA and DEAE	–	–	12009262	12009263	
	Nuvia IMAC, Ni-Charged	Nitrilotriacetic acid, Ni-charged	≥40 mg/ml recombinant histidine-tagged protein	12009288	12009285	12009286	12009287	
	Nuvia IMAC, Uncharged	Nitrilotriacetic acid	N/A	12009289	–	–	–	
	Profinity eXact	Modified subtilisin protease	>3 mg/ml tag-free maltose binding protein	12009292	12009293	12009294	–	
	Profinity GST	Glutathione	≥7 mg/ml GST-tagged protein	–	12009295	12009296	12009297	
	Profinity IMAC, Ni-Charged	Iminodiacetic acid, Ni-charged	≥15 mg/ml recombinant histidine-tagged protein	–	12009298	12009299	12009300	
	UNOsphere SUPRA	rProtein A	25–30 mg IgG/ml	12009321	12009322	12009323	–	
Ion exchange	Macro-Prep DEAE	–HN ⁺ (C ₂ H ₅) ₂	>35 mg BSA/ml	12009274	12009264	12009265	12009266	
	Macro-Prep CM	–CH ₂ COO [–]	≥25 mg hemoglobin/ml	12009273	–	–	–	
	Macro-Prep High Q	–N ⁺ (CH ₃) ₃	≥37 mg BSA/ml	12009275	12009267	12009268	12009269	
	Macro-Prep High S	–SO ₃ [–]	≥49 mg human IgG	12009276	12009270	12009271	12009272	
	Macro-Prep High Q-3HT	–N ⁺ (CH ₃) ₃	≥37 mg BSA/ml	12009283	–	–	–	
	UNOsphere Q	–N ⁺ (CH ₃) ₃	At 150 cm/hr: 180 mg BSA/ml At 300 cm/hr: 125 mg BSA/ml	12009307	12009301	12009302	12009303	
	UNOsphere S	–SO ₃ [–]	At 150 cm/hr: 60 mg IgG/ml At 300 cm/hr: 30 mg IgG/ml	12009308	12009304	12009305	12009306	
	Nuvia Q	–N ⁺ (CH ₃) ₃	At 300 cm/hr: ≥170 mg BSA/ml	12009290	–	–	–	
	Nuvia S	–SO ₃ [–]	At 300 cm/hr: >110 mg human IgG/ml	12009291	–	–	–	
	Nuvia HR-S	–SO ₃ [–]	At 300 cm/hr: >70 mg human IgG/ml	12009284	–	–	–	
	Nuvia HP-Q	–N ⁺ (CH ₃) ₃	At 100 cm/hr: >50 mg thyroglobulin/ml	12009282	–	–	–	
Mixed mode	CHT Type I, 40 μm	Ca ²⁺ , PO ₄ , OH	25–60 mg human IgG/ml	12009255	–	12009253	12009254	
	CHT Type II, 40 μm	Ca ²⁺ , PO ₄ , OH	15–25 mg human IgG/ml	12009259	–	12009257	12009258	
	CHT XT, 40 μm	Ca ²⁺ , PO ₄ , OH	At 100 cm/hr: >60 mg mAb G/ml (pl 9.2) At 500 cm/hr: 17–25 mg lysozyme/g	12009261	–	–	–	
	CHT Type I, 80 μm	Ca ²⁺ , PO ₄ , OH	≥25 mg lysozyme/g; 25–60 mg IgG/g	12009256	–	–	–	
	CHT Type II, 80 μm	Ca ²⁺ , PO ₄ , OH	≥12.5 mg lysozyme/g; 15–25 mg IgG/g	12009260	–	–	–	
	CFT Type II, 40 μm	Ca ₁₀ (PO ₄) ₆ F ₂	Lysozyme: 14–21.5 mg/g	12009252	–	12009240	12009251	
	MPC I, 40 μm	Ca ²⁺ , PO ₄ , OH, F	≥25 mg lysozyme/g; 25–60 mg IgG/g	12009279	–	–	–	
	Nuvia aPrime 4A	Hydrophobic anion	At 300 cm/hr: >50 mg acidic mAb/ml	12009280	–	–	–	
	Nuvia cPrime	Hydrophobic cation	At 300 cm/hr: >40 mg human IgG/ml; >60 mg lactoferrin/ml	12009281	–	–	–	
	Hydrophobic interaction	Macro-Prep Methyl	–CH ₃	>25 mg HSA/ml	12009277	–	–	–
		Macro-Prep t-Butyl	–C(CH ₃) ₃	>15 mg HSA/ml	12009278	–	–	–
Desalting/size exclusion	Bio-Gel P-6 Desalting	Polyacrylamide	10–22% column volume	–	–	12009238	12009239	
Empty				–	12009232	–	12009233	

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