

Data Sheet

Strep-Tactin®XT 4Flow® high capacity cartridge

Cat. No.: 2-5027-001, 2-5028-001

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Description	Strep-Tactin®XT 4Flow® high capacity cartridges contain a 4% agarose coupled with a higher density of the streptavidin variant Strep-Tactin®XT compared to Strep-Tactin®XT 4Flow® cartridges. The cartridges are applicable for purification of Strep-tag®II or Twin-Strep-tag® fusion proteins via chromatography workstations using 10-32 connections, syringes, or peristaltic pumps.
Support	4% agarose, crosslinked
Form	Pre-packed in buffer (100 mM Tris/HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, 0.02% sodium azide)
Bead size	50-150 µm, spherical
Dynamic binding capacity	14 mg protein/ml resin Dynamic binding capacity was determined with 1 mg/ml mCherry-Twin-Strep-tag (30 kDa) at a flow rate of 0.5 ml/min. Please note that the binding capacity is protein dependent.
Stability	6 months after shipping
Storage	2-8 °C
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

Application	The cartridges do not generate significant back pressure making the use of flow restrictors superfluous. Any entrapped gas, appearing after shipment or storage, is not a quality defect and can be easily removed by rinsing the column with several volumes of degassed 1x Buffer W. Elution: 10x Buffer BXT (Cat. No. 2-1042-025, 1 M Tris/HCl pH 8.0, 1.5 M NaCl, 10 mM EDTA, 500 mM biotin) Regeneration: Buffer XT-R (Cat. No. 2-1045-250, 3 M MgCl ₂ , ready-to-use)			
	Cartridge volume	Physical dimension	Flow rate	Pressure stability
	1 ml (2-5027-001)	Inner diameter: 0.7 cm Height: 2.5 cm	0.5-1 ml/min	Maximal 3.5 bar
	5 ml (2-5028-001)	Inner diameter: 1.6 cm Height: 2.5 cm	1-3 ml/min	Maximal 3.5 bar

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