

## Data Sheet

# Strep-Tactin®XT 4Flow® high capacity FPLC column

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

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<b>Description</b>	Strep-Tactin®XT 4Flow® high capacity FPLC columns contain a 4% agarose coupled with a higher density of the streptavidin variant Strep-Tactin®XT compared to Strep-Tactin®XT 4Flow® FPLC columns. The FPLC columns 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.		
<b>Support</b>	4% agarose, crosslinked		
<b>Form</b>	Pre-packed in buffer (100 mM Tris/HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, 0.02% sodium azide)		
<b>Bead size</b>	50-150 µm, spherical		
<b>Binding capacity</b>	31 mg protein/ml resin Binding capacity was determined with a 50 kDa Twin-Strep-tag® fusion protein. Please note that the binding capacity is protein dependent.		
<b>Stability</b>	12 months after shipping		
<b>Storage</b>	2-8 °C		
<b>Shipping</b>	Room temperature		
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.		
<b>Application</b>	The FPLC columns do not generate significant back pressure making the use of flow restrictors superfluous. 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 <sub>2</sub> , ready-to-use) or 100 mM NaOH		
	FPLC column volume	Physical dimension	Flow rate
	1 ml (2-5027-001)	Inner diameter: 0.7 cm Height: 2.5 cm	0.5-1 ml/min
	5 ml (2-5028-001)	Inner diameter: 1.6 cm Height: 2.5 cm	1-3 ml/min
			Pressure stability
			Maximum 3.5 bar
			Maximum 3.5 bar

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