

Data Sheet

Strep-Tactin®XT 4Flow® high capacity cartridge

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

Version: 3.0
 Revision Date: 17.10.2022

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.			
	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	Maximum 3.5 bar	
5 ml (2-5028-001)	Inner diameter: 1.6 cm Height: 2.5 cm	1-3 ml/min	Maximum 3.5 bar	

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