

Data Sheet

Strep-Tactin®XT 4Flow® resin

50% suspension

Cat. No.: 2-5010-002, 2-5010-010, 2-5010-025,
 2-5010-500

Version: 3.1
 Revision Date: 28.07.2021

Description	Immobilized streptavidin variant called Strep-Tactin®XT (5 mg/ml resin) which has been especially optimized for the purification of Strep-tag®II and Twin-Strep-tag® fusion proteins.
Support	4% agarose, crosslinked
Form	50% suspension in buffer, pH 8.0 (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	5 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 suspension can be used for packing of gravity flow columns since the resin is optimized for column affinity chromatography, rather than for batch purification. To pack a column with 1 ml resin bed volume, 2 ml 50% suspension are necessary. 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)
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