

## Data Sheet

# Strep-Tactin®XT 4Flow® resin 50% suspension

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

Version: 6.0  
 Revision Date: 09.01.2025

<b>Description</b>	<b>Strep-Tactin®XT 4Flow® is a protein purification resin with immobilized Strep-Tactin®XT. Strep-Tactin®XT is a streptavidin variant with optimized binding properties for Twin-Strep-tag® and Strep-tag®II fusion proteins.</b>
<b>Support</b>	4% agarose, crosslinked
<b>Form</b>	50% suspension in buffer, pH 8.0 (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>	11 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 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 <sub>2</sub> , ready-to-use) or 100 mM NaOH
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