

## Data Sheet

# Strep-Tactin®XT 4Flow® high capacity resin

## 50% suspension

Cat. No.: 2-5030-002, 2-5030-010, 2-5030-025,  
 2-5030-500

Version: 3.1  
 Revision Date: 28.07.2021

<b>Description</b>	<b>Strep-Tactin®XT 4Flow® high capacity is a protein purification resin with a higher density of immobilized Strep-Tactin®XT compared to Strep-Tactin®XT 4Flow®. 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>Dynamic binding capacity</b>	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.
<b>Stability</b>	6 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)
--------------------	---

### For research use only

#### Trademark information

The owners of trademarks marked by "®" or "TM" are identified at <http://www.iba-lifesciences.com/patents.html>. Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.

#### Important licensing information

This product is covered by intellectual property (IP) rights and on completion of the sale IBA Lifesciences grants respective Limited Use Label Licenses to purchaser. IP rights and Limited Use Label Licenses for said technology are further described and identified at <http://www.iba-lifesciences.com/patents.html> or upon inquiry at [info@iba-lifesciences.com](mailto:info@iba-lifesciences.com) or at IBA Lifesciences GmbH, Rudolf-Wissell-Str. 28, 37079 Goettingen, Germany. By use of this product the purchaser accepts the terms and conditions of all applicable Limited Use Label Licenses.