

Data Sheet

Gravity flow

Strep-Tactin®XT 4Flow®

High Capacity column

Cat. No.: 2-5031-001, 2-5031-005, 2-5032-001,
2-5033-001, 2-5034-001

Lot No.:

Version: 1.0
Revision Date: 02.03.2020

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|---------------------------------|--|
| Description | Ready-to-use column with Strep-Tactin®XT high capacity resin for the purification of Strep-tag®II and Twin-Strep-tag® fusion proteins. Strep-Tactin®XT is a streptavidin variant with optimized binding properties for Strep-tag® fusion proteins. |
| Support | 4% agarose, crosslinked |
| Form | Pre-packed in buffer, pH 8.0: 100 mM Tris/HCl pH 8.0, 1 mM EDTA, 150 mM NaCl, 0.02% sodium azide |
| Dynamic Binding Capacity | 16 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: Binding capacity is protein dependent. |
| Stability | 6 months after shipping |
| Storage | recommended: 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. |

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| Elution | Strep-Tactin®XT Elution Buffer with Biotin (10 x Buffer BXT, Cat. No. 2-1042-025); 1 x Buffer BXT: 100 mM Tris-HCl pH 8.0, 150 mM NaCl, 1 mM EDTA, 50 mM biotin |
| Regeneration | Regenerate the column by using Strep-Tactin®XT Regeneration Buffer (3 M MgCl ₂ , Cat. No. 2-1045-250) |

* Voss, S. & Skerra, A. (1997) Mutagenesis of a flexible loop in streptavidin leads to higher affinity for the *Strep*-tag II peptide and improved performance in recombinant protein purification. *Protein Eng.* 10, 975-982.



Please download all up-to-date manuals, protocols and other material from
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