

## Data Sheet

# Strep-Tactin® Superflow® high capacity resin

## 50% suspension

Cat. No.: 2-1208-002, 2-1208-010, 2-1208-025, 2-1208-500

Version: 11.1  
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|                                 |  |
|---------------------------------|--|
| <b>Description</b>              | <b>Strep-Tactin® Superflow® high capacity is a protein purification resin with a higher density of immobilized Strep-Tactin® compared to Strep-Tactin® Superflow®. Strep-Tactin® is a streptavidin variant with optimized binding properties for Twin-Strep-tag® and Strep-tag®II fusion proteins.</b> |
| <b>Support</b>                  | 6% 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>                | 60-160 µm, spherical   |
| <b>Dynamic binding capacity</b> | 7 mg protein/ml resin<br>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].<br>A Material Safety Data Sheet is provided.  |

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| <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.<br>Elution: 10x Buffer E (Cat. No. 2-1000-025, 1 M Tris/HCl pH 8.0, 1.5 M NaCl, 10 mM EDTA, 25 mM desthiobiotin)<br>Regeneration: 10x Buffer R (Cat. No. 2-1002-100, 1 M Tris/HCl pH 8.0, 1.5 M NaCl, 10 mM EDTA, 10 mM HABA (2-[4'-hydroxy-benzeneazo]benzoic acid)) |
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