

# Strep-Tactin®XT 4Flow® FPLC column

Cat. No.: 2-5023-001, 2-5024-001

| <b>Description</b>      | Strep-Tactin®XT 4Flow® FPLC columns contain a 4% agarose coupled with the streptavidin variant Strep-Tactin®XT and are applicable for purification of Strep-tag®II or Twin-Strep-tag® fusion proteins via chromatography workstations using 10-32 connections, syringes, or peristaltic pumps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |              |                    |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------|--------------------|--------------------|-----------|--------------------|-------------------|------------------------------------------|--------------|---------------|-------------------|------------------------------------------|------------|---------------|
| <b>Support</b>          | 4% agarose, highly cross-linked                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |              |                    |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |
| <b>Form</b>             | Pre-packed in buffer (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<br>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].<br>A Material Safety Data Sheet is provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |              |                    |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |
| <b>Application</b>      | <p>The FPLC columns do not generate significant back pressure making the use of flow restrictors superfluous.</p> <p>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)</p> <p>Regeneration: Buffer XT-R (Cat. No. 2-1045-250, 3 M MgCl<sub>2</sub>, ready-to-use) or 100 mM NaOH</p> <table border="1"> <thead> <tr> <th>FPLC column volume</th> <th>Physical dimension</th> <th>Flow rate</th> <th>Pressure stability</th> </tr> </thead> <tbody> <tr> <td>1 mL (2-5023-001)</td> <td>Inner diameter: 0.7 cm<br/>Height: 2.5 cm</td> <td>0.5-1 mL/min</td> <td>Maximum 3 bar</td> </tr> <tr> <td>5 mL (2-5024-001)</td> <td>Inner diameter: 1.6 cm<br/>Height: 2.5 cm</td> <td>1-3 mL/min</td> <td>Maximum 3 bar</td> </tr> </tbody> </table> |              |                    | FPLC column volume | Physical dimension | Flow rate | Pressure stability | 1 mL (2-5023-001) | Inner diameter: 0.7 cm<br>Height: 2.5 cm | 0.5-1 mL/min | Maximum 3 bar | 5 mL (2-5024-001) | Inner diameter: 1.6 cm<br>Height: 2.5 cm | 1-3 mL/min | Maximum 3 bar |
| FPLC column volume      | Physical dimension                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Flow rate    | Pressure stability |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |
| 1 mL (2-5023-001)       | Inner diameter: 0.7 cm<br>Height: 2.5 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.5-1 mL/min | Maximum 3 bar      |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |
| 5 mL (2-5024-001)       | Inner diameter: 1.6 cm<br>Height: 2.5 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1-3 mL/min   | Maximum 3 bar      |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |
| <b>Manufacturer</b>     | IBA Lifesciences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |              |                    |                    |                    |           |                    |                   |                                          |              |               |                   |                                          |            |               |

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