



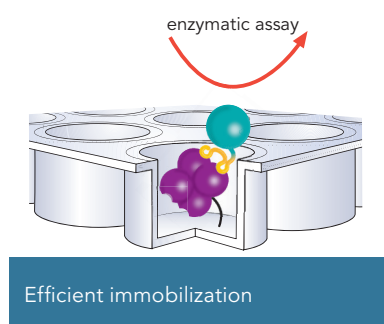
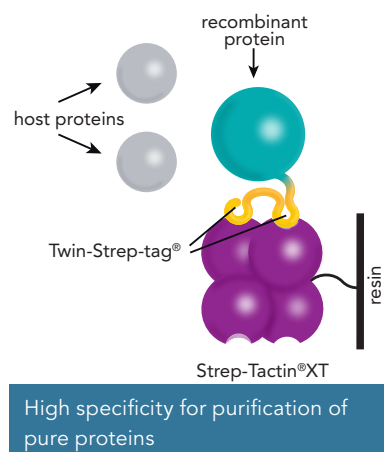
STREP-TACTIN[®]XT

One step to high protein purity



**Near covalent affinity
maintaining reversible binding!**

- › Assay development and screening
- › Therapeutic proteins and industrial enzymes
- › Batch purification
- › Improved yields



New applications:

- › Biacore SPR
- › switchSENSE®
- › Enzyme activity assays
- › Diagnostic assays

Excellent performance:

- › High affinity in pM range ($T_{1/2} = 13$ h)
- › Immobilization of the target protein is reversible and can be abrogated by addition of biotin
- › Minimal non-specific binding

Fast and high-throughput:

- › 50 % suspension
- › gravity flow columns
- › cartridges

Batch or small scale:

- › MagStrep "type3" XT beads; 2 ml
- › Strep-Tactin®XT Spin Columns
- › Strep-Tactin®XT Spin Column Kit

HIGH AFFINITY AND PURITY WITH STREP-TACTIN®XT

With Strep-Tactin®XT, the Strep-tag technology offers in addition to a high purity (up to 95%) and yield also a near covalent affinity. This makes it superior to all other systems like His-tag. Strep-Tactin®XT enables with its excellent performance new applications in the range of assay development for therapeutic proteins and industrial enzymes.

New applications:

- › Batch purification
- › High-throughput screening
- › Drug screening
- › Kinetics
- › Antibody or serum screening

Excellent performance:

- › High protein yields and purity
- › Unparalleled detergent and wash stability
- › Efficient purification of low abundant proteins or membrane proteins
- › Optimized elution profile for highly concentrated target protein

IMMOBILIZATION WITH STREP-TACTIN®XT

Due to the extra tight binding affinity of Strep-Tactin®XT to Twin-Strep-tag®, the technology can now be used for highly efficient immobilization of the target protein using the same tag.

PRODUCTS FOR PROTEIN PURIFICATION

| Format | Size | Superflow® | 4Flow® |
|---------------------------------|-----------------|------------|------------|
| 50% suspension | 4 ml | 2-4010-002 | 2-5010-002 |
| | 20 ml | 2-4010-010 | 2-5010-010 |
| | 50 ml | 2-4010-025 | 2-5010-025 |
| gravity flow columns | 5 x 0.2 ml | 2-4011-005 | 2-5011-005 |
| | 1 ml | 2-4012-001 | 2-5012-001 |
| | 5ml | 2-4013-001 | 2-5013-001 |
| | 10 ml | 2-4014-001 | 2-5014-001 |
| cartridges | 1 ml | 2-4021-001 | 2-5021-001 |
| | 5 ml | 2-4022-001 | 2-5022-001 |
| MagStrep "type3" XT beads; 2 ml | 2 ml | 2-4090-002 | |
| | 10 ml | 2-4090-010 | |
| Strep-Tactin®XT Spin Columns | 25 spin columns | 2-4150-025 | |
| Strep-Tactin®XT Spin Column Kit | 1 kit | 2-4151-000 | |

PRODUCTS FOR ANALYTIC APPLICATIONS

| | | |
|-----------------------------------|---------|------------|
| Strep-Tactin®XT coated microplate | 1 plate | 2-4101-001 |
| Twin-Strep-tag® Capture Kit | 1 kit | 2-4370-000 |
| Strep-Tactin®XT DY-488 conjugate | 50 µg | 2-1562-050 |
| Strep-Tactin®XT DY-549 conjugate | 50 µg | 2-1565-050 |
| Strep-Tactin®XT DY-649 conjugate | 50 µg | 2-1568-050 |