

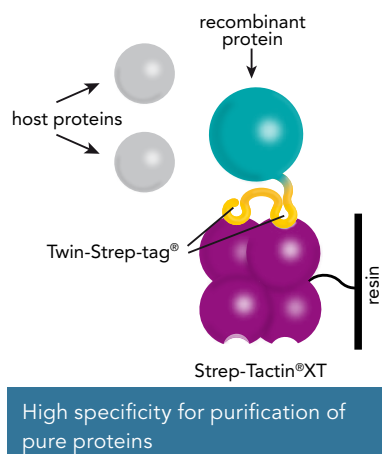
# STREP-TACTIN<sup>®</sup>XT

New 3<sup>rd</sup> Generation Strep-tag<sup>®</sup> System



**Near covalent affinity  
maintaining reversible binding!**

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



## HIGHLY PURE PROTEINS WITH STREP-TACTIN®XT

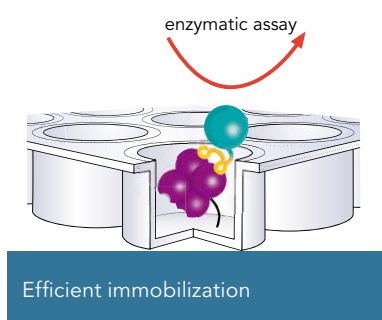
One of the key advantages of the Strep-tag® system is to achieve unparalleled protein purity (> 95 %) after purification of recombinant proteins independent of the expression host. This makes the system superior to other affinity purification systems like His-tag. The 3<sup>rd</sup> generation Strep-tag® system based on Strep-Tactin®XT with its excellent performance makes the system suitable for new applications:

### New applications:

- › Denaturing conditions
- › Batch purification
- › High-throughput 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 system can now be used for highly efficient immobilization of the target protein using the same tag.

### New applications:

- › BIAcore
- › Enzyme activity assays
- › Diagnostic assays

### Excellent performance:

- › High affinity in pM range ( $T_{1/2} = 13$  h)
- › Reversibility due to addition of biotin
- › Minimal non-specific binding

### Key features

1. Near covalent affinity maintaining reversible binding
2. One system for:
  - › Purification of highly pure recombinant proteins at high yield
  - › Assay development and screening for therapeutic proteins and industrial enzymes

### Strep-Tactin®XT Starter Kit:

- › 1 ml Strep-Tactin®XT Superflow® gravity flow column
- › Strep-Tactin®XT Wash and Elution Buffer
- › Strep-Tactin®HRP conjugate

## STREP-TACTIN®XT

Format	Size	Cat. no.
Strep-Tactin®XT Starter Kit (for purification and detection)	1 Kit	2-4998-000
Strep-Tactin®XT 50 % Suspension	4 ml	2-4010-002
	20 ml	2-4010-010
	50 ml	2-4010-025
Strep-Tactin®XT gravity flow columns	5x 0.2 ml	2-4011-005
	1 ml	2-4012-001
	5 ml	2-4013-001
	10 ml	2-4014-001
Strep-Tactin®XT cartridges (for Äkta/peristaltic pumps)	1 ml	2-4021-001
	5 ml	2-4022-001
Strep-Tactin®XT MagStrep "type3" XT beads	2 ml	2-4090-002
Strep-Tactin®XT immobilization plate	1 plate	2-4101-001