

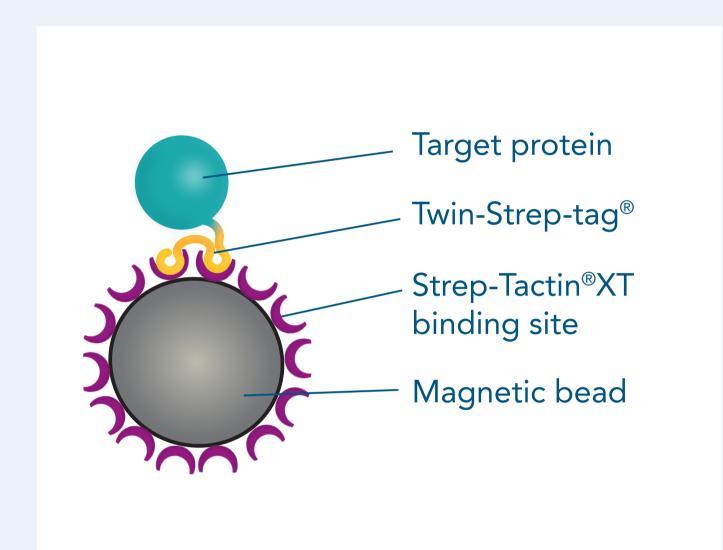
## From screening to large scale purification: adaptability of MagStrep® Strep-Tactin®XT beads

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Proteins should be purified as quickly as possible and with a high yield. Numerous products on the market make this possible. However, evolving purification needs – for example handling several samples in parallel, larger or smaller sample volumes – can pose challenges. The usual consequence is a laborious, time-consuming and cost-intensive change of the purification protocol. MagStrep® Strep-Tactin®XT beads offer a simpler solution. They are magnetic beads coated with Strep-Tactin®XT. Strep-Tactin®XT is a streptavidin mutant that specifically binds Strep-tag®II and Twin-Strep-tag® fusion proteins with high specificity and affinity, yet the bond is reversible. As a result, target proteins are purified with high yield and purity. Here we show the applicability for high-throughput screening as well as small and large batch purification.

## **SPECIFICATIONS**



- High affinity to Strep-tag®II and Twin-Strep-tag® (nM-pM range)
- > Highly specific interaction
- > Low non-specific protein binding
- High binding capacity
  (25.5 μg/μl beads)
- > Mild elution with biotin

## **KEY FEATURES**

- Cost-efficient due to reusability
- > Parallel processing of multiple samples
- Easily scalable for small or large applications
- > Exceptionally high purity (> 96%)
- › High target protein yield
- > Physiological purification conditions
- > Rapid protein purification protocol

## SUMMARY

MagStrep® Strep-Tactin®XT beads can be used with any laboratory equipment – only a suitable magnet is needed. They can be used for purification from small to large sample volumes as well as for high-throughput sample preparation with consistent purity, yield and processing time.

