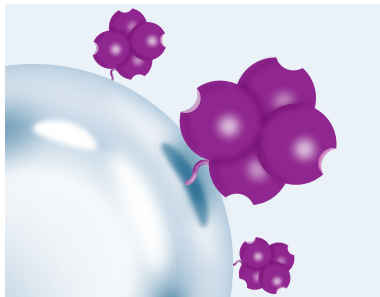


MAGSTREP "TYPE3" XT BEADS

Magnetic Strep-tag® purification at its best!



MAGSTREP "TYPE3" XT BEADS



Key benefits:

- High specificity - low background
- High binding capacity
- High affinity for Strep-tag®

MagStrep "type3" XT Beads are Strep-Tactin®XT coated ferri-magnetic spheres with the following characteristics:

- **High binding capacity** (0,85 nmol/μl beads, corresponding to 25,5 μg of a 30 kDa protein)
- **Very low non-specific** protein binding due to improved coating
- **Flexible elution conditions**, under denaturing conditions by boiling in SDS gel loading buffer or under native conditions with biotin
- **High affinity for Strep-tag®** – due to new Strep-Tactin®XT

These characteristics lead to very good purification results (see Fig.1) and make the MagStrep "type3" XT Beads a superior tool for small scale purifications with high demands on protein purity.

Purification of GFP-Strep-tag®II fusion protein from crude bact. extract using MagStrep "type3" XT Beads. Protein purification analysis was performed with an Agilent Bioanalyzer 2100 system instead of SDS-PAGE.

Fig. 1: **Crude bacterial extract before purification**

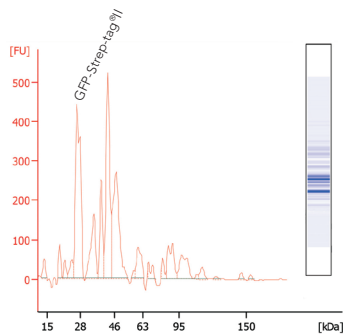


Fig. 2: **Native purification using biotin elution buffer**

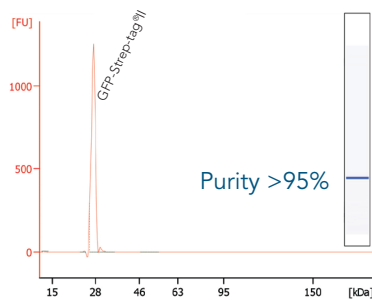


Fig. 3: **Elution under denaturing conditions by boiling**

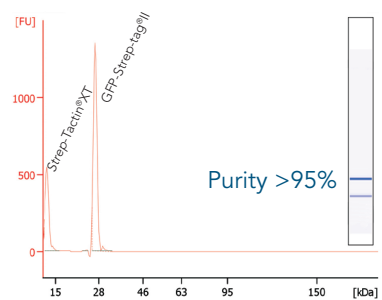


Fig. 3: Due to the specific binding properties of the beads even the elution by boiling leads to highly pure proteins (GFP peak at ~28kDa ignoring Strep-Tactin®XT peak)

Cat. No.	
2-4090-002	MagStrep "type3" XT Beads, 2 ml
2-4090-010	MagStrep "type3" XT Beads, 10 ml
2-1042-025	10x Buffer BXT; Strep-Tactin®XT Elution Buffer