

Zetarose NTA FF6

6 % Beaded agarose resin immobilized with metal-free nitrilotriacetic acid (NTA) affinity ligand.
IMAC affinity resin for His-tagged protein purification.

Product Code	TM-1414
Quality Parameter	Specification:
Metal ion capacity	≥ 20 µmol / mL resin
Particle diameter 45 to 160 µm	≥ 80 % in range
Other Product Properties	
Solid phase	Zetarose FlashFlow 6 % highly cross-linked beaded agarose, derivatized with nitrilotriacetic acid.
Particle diameter	100 µm. Particle range 45 - 160 µm (≥ 80 %).
Application	Zetarose NTA FF6 is a 6 % cross-linked beaded agarose resin, derivatized with nitrilotriacetic acid (NTA) ligand. When charged with bivalent metal ions, such as nickel, cobalt, copper, or zinc, the solid phase can be used to purify recombinant proteins containing polyhistidine (polyhistidine-tag) residues via their selective affinity to the chelated metal. After washing, bound proteins are eluted under native or denaturing conditions with either a low pH buffer or with buffer containing imidazole or histidine.
Velocity properties	Linear velocity ≥ 500 cm/h and operating pressure up to 3 bar.
pH stability	3 – 13. The pH stability of the affinity resin will be ultimately dependent on the pH stability of the ligand bound to the resin.
Chemical stability	Zetarose NTA FF6 is generally tolerant of all commonly used aqueous solutions for protein purification.
Storage buffer	20 % ethanol
Storage	+2 to +30 °C. DO NOT FREEZE!
Miscellaneous	---
Notice	The use of this product is strictly limited to trained personnel for professional manufacturing, laboratory, or research purposes. Final Fitness-For-Use must be determined by and is the sole responsibility of the end-user.