Product Specification Sheet

ZetaCell NTA

Large diameter beaded agarose immobilized with metal-free nitrilotriacetic acid (NTA) affinity ligand.

A cross-linked beaded IMAC affinity resin for His-tagged protein purification.

Product Code: TM-4405	
Quality Parameter	**Specification**
Particle diameter 140 to 360 µm Metal ion capacity	≥ 80 % in range > 15 µmol / mL resin
Other Product Properties	
Solid phase Particle diameter pH stability Chemical stability Application Storage Buffer Storage Shipping Notice	Highly cross-linked large diameter agarose particles 250 µm. Particle range (≥ 80 %) 140 - 360 µm. 3 – 13. The pH stability of the affinity resin will be ultimately dependent on the pH stability of the ligand bound to the resin. ZetaCell NTA is generally tolerant of all commonly used aqueous solutions for protein purification. ZetaCell NTA is a large cross-linked agarose bead, derivatized with nitrilotriacetic acid (NTA). When charged with metal ions, the solid phase can be used to purify recombinant proteins containing polyhistidine (6xHis) residues via their selective affinity to chelated metals, such as nickel, cobalt, copper, or zinc. After washing, bound proteins are eluted under native or denaturing conditions with either a low pH buffer or in a buffer containing imidazole or histidine. 20 % ethanol +2 to +30 °C. DO NOT FREEZE! Ambient. 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.

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