



ZetaCell Protein A Resolute

Large diameter beaded agarose resin immobilized with NaOH tolerant recombinant Protein A ligand. Specifically designed for SMART[™] affinity chromatography of immunoglobulin proteins.

Product Code	TM-4425
Quality Parameter	Specification:
Binding capacity	≥ 30 mg human lgG / mL resin
Particle diameter 140 to 360 μm	≥ 80 % in range
Other Product Properties	
Solid phase	Highly cross-linked large diameter beaded agarose, derivatized with 1 M
	NaOH tolerant recombinant Protein A ligand.
Particle diameter	250 μm. Particle range 140 - 360 μm (≥ 80 %).
Application	ZetaCell Protein A Resolute is a large cross-linked beaded agarose resin,
	derivatized with 1 M NaOH tolerant Protein A ligands. The resin may be used
	to purify immunoglobulins via their selective affinity to Protein A. It is
	specifically designed for SMART [™] affinity chromatography.
Velocity properties	Linear velocity \geq 2000 cm/h and operating pressure up to 3 bar.
pH stability	2 – 14 (short term), 3 – 9 (long term)
	The pH stability of the affinity resin will be ultimately dependent on the pH
	stability of the ligand bound to the resin and the incubation time. ZetaCell
	Protein A Resolute shows high stability at pH ~2-14 with exposure times of up
	to 15 minutes to 1 M NaOH.
Chemical stability	ZetaCell Protein A Resolute is generally tolerant of all commonly used aqueous
	solutions for protein purification.
Storage buffer	20 % ethanol
Storage	+2 to +8 °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.