

ZetaCell DEAE Boost

Weak Anion Exchange Agarose Resin.

Specifically designed for SMART Chromatography™ ion exchange separation.

Product Code	TM-4208
Quality Parameter	Specification:
Ion exchange capacity	0.08 – 0.22 mmol Cl ⁻ / 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 diethylaminoethyl.
Particle diameter	250 µm. Particle range 140 - 360 µm (≥ 80 %).
Application	Anionic exchange resin for purification of biomolecules. ZetaCell DEAE Boost is a large cross-linked agarose bead, derivatized with diethylaminoethyl (DEAE) weak anion ligand. The resin has increased binding capacity due to more readily available ion exchange ligands localized on the bead surface. The gel can be used to purify biomolecules via their ion exchange ligands. It is specifically designed for SMART Chromatography™ ion exchange chromatography separation.
Velocity properties	Linear velocity ≥ 2000 cm/h and operating pressure up to 3 bar.
pH stability	2 – 14 (short term), 3 – 12 (long term). The pH stability of the ion exchange resin will be ultimately dependent on the pH stability of the ligand bound to the resin.
Chemical stability	ZetaCell DEAE Boost is generally tolerant of all commonly used aqueous solutions for protein purification. Avoid oxidizing agents, anionic detergents, and buffers.
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.