

ZetaCell CM

Weak Cation Exchange Agarose Resin. Specifically designed for SMART Chromatography™ ion exchange separation.

Product Code	TM-4203
Quality Parameter	Specification:
Ion exchange capacity	0.08 – 0.16 mmol H+ / 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 carboxymethyl.
Particle diameter	250 µm. Particle range 140 - 360 µm (≥ 80 %).
Application	Cationic exchange resin for purification of biomolecules. ZetaCell CM is a large cross-linked agarose bead, derivatized carboxymethyl (CM) weak cation ligand. ZetaCell resin is based on large cross-linked beaded agarose. 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 CM is generally tolerant of all commonly used aqueous solutions for protein purification. Avoid oxidizing agents, cationic 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.