CM Sepharose Agarose

Cat. No. carboxy methyl-003C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CM Sepharose Agarose is a weak cation exchanger based on the well established Sepharose ion exchange platform, extensively used for preparative protein separations in both research and industrial applications.
Description	CM Sepharose Agarose is composed of cross-linked, 6% agarose particles, with carboxymethyl (CM) weak cation exchange groups. It has high chemical stability, allowing well proven cleaning-in-place (CIP) and sanitization protocols.
Storage	Store at 4 to 30 centigrade, 20% Ethanol
Size	25 mL, 500 mL, 10 L, 60 L
Matrix	Cross-linked agarose, 6%, spherical
Ionic Exchanger Type	Weak cation exchanger
Ion exchange capacity	0.09-0.13 mmol H+/ml medium
MW exclusion limit (kD)	Globular Proteins ~4000
Average particle size	45-165 µm
Ligand	Carboxymethyl

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Chemical stability	Stable to commonly used aqueous buffers:1.0 M NaOH, 8 M urea, 8 M guanidine hydrochloride, 70% ethanol
Physical stability	Pressure/Flow Specification: 300-600 cm/h, 100 kPa, XK 50/30 column, bed height 15 cm
pH working range	4–13 (pH range where resin can be operated without significant change in function) pH ligand fully charged(pH range where ligand is fully charged): Above 6
pH CIP range	2–14 (pH range where resin can be subjected to cleaning- or sanitization-in-place without significant change in function)

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