Chromalite[®] Methacrylic (Chromalite[®] M)

New robust, hydrophilic, porous methacrylic chromatographic resins for the chromatographic purification of peptides, oligonucleotides, proteins, enzymes and biomolecules up to 500kDa

Chromalite[®] M methacrylic resins are hydrophilic macroporous methacrylic resins for large-scale chromatographic applications.

Key Advantages

- A rigid polymeric backbone ensuring excellent pressure-flow properties.
- Higher linear operating velocities can be used for faster process throughput and decreased recycling times.
- Chromalite[®] M resins are stable over the pH 2-12 range for normal operating conditions, and pH 1-13 for cleaning conditions.
- The resins are available in standard average particle sizes of 50 -100 µm and 75-200 µm, for high resolution, intermediate purification, or capture chromatography.
- We offer customisation of particle size and we can manufacture Chromalite[®] M from 5 to 500 µm for any application.
- Chromalite[®] M are offered in many different functionalities for size exclusion, ion exchange, hydrophobic interaction, and affinity chromatography.

Chromalite[®] M - Product Line



Chromalite[®] M - Functionalities

Properties	Product	Functional Group
IEX	Chromalite MS Chromalite MQ Chromalite MCM Chromalite MDEA Chromalite MAM2 Chromalite MAM6	Sulphopropyl Quaternary amine Carboxymethyl Diethylamine Amino (short spacer) Amino (long spacer)
Affinity	Chromalite MIDA Chromalite MEP	Iminodiacetic Epoxy
RP	Chromalite MPH Chromalite MBU Chromalite MOD	Phenyl Butyl Octadecyl
Size Exclusion	Chromalite MOH	Hydroxy Diol



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Example of industrial separation of macrolide antibiotics (1.7kDa) in pharmaceutical, using a combination of Chromalite[®] resins



In the purification of antibiotics, the chromatographic separation occurs sequentially using anion exchange chromatography (Chromalite[®] MDEA) and hydrophobic interaction chromatography (Chromalite[®] PCG1200M)



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