

IEX-Q Agarose 6 Fast Flow

Product Information

Cat#No# IE-003D

Product Overview

Ion Exchange Media CM, SP, DEAE, Q Agarose 6FF are specifically developed for high-resolution separation of proteins, peptides, nucleic acids and other charged biomolecules according to their difference in surface charge. The base matrix of IEX-CM, IEX-SP, IEX-DEAE, IEX-Q is highly cross-linked 6% agarose, providing excellent chemical and physical stability.

The type of charged group determines the type and strength of the exchanger, while the total number and availability of the charged groups determine the capacity. Sulfonic and quaternary amines form strong ion exchangers, which are completely ionized over a broad pH range. Others form weak ion exchangers, where the degree of dissociation, and thus the exchange capacity, varies markedly with pH. "Strong" and "weak" refer to the extent of ionization with pH, and not to the strength of binding.

Our ion exchanger media are optimized for high sample loading capacity with reliable, reproducible performance, suited for process scale chromatography.

Matrix

Highly cross-linked 6% agarose supplied as a 50% slurry

Ionic Exchanger Type

Strong anion

Ion exchange capacity

0.18 – 0.25 mmol Cl⁻/mL medium

Average particle size

45 µm - 165 µm

Recommended flow rate

400-700 cm/h

pH working range

pH 2 - 12



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Storage

2 - 30°C, storage buffer: 20% ethanol

Size

25ml; 300ml; 500ml
