

## SP Agarose 6FF column

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Ion Exchange Chromatography is a process that separates biomolecules (ions & polar molecules), including proteins and nucleotides on the basis of their charge.

The Ion Exchange Fast Flow Resins have charged functional groups that bind molecules with an opposite charge. Bound molecules are eluted from the medium by displacement, via the application of an increasing concentration of a similarly charged molecule.

The base matrix 6% highly cross-linked agarose gives the ion exchangers high chemical and physical stability. They are developed and supported for process scale chromatography. The characteristics such as capacity, elution behavior and pressure/flow rate are unaffected by the solutions commonly used in process chromatography and cleaning procedures

Catalog No.	58003042
Size	5 x 1mL / 1 x 5mL / 5 x 5mL
Product Category	Chromatography Media
Matrix	Highly Cross-Linked 6% Agarose
Ligand	Sulphopropyl
Functional Group	Sulphopropyl: -O-CH <sub>2</sub> CHOHCH <sub>2</sub> OCH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> SO <sub>3</sub> -
Ion Class	Strong Cation
Bead Size	45-165um
Binding Capacity	0.18-0.25 mmol (Na+)/ml
Flow Velocity	400-700 cm/h
pH Working Range	4-13
pH CIP Range	2-14

Storage Buffers	20% Ethanol
Storage/Stability	2-8°C/5 years
Shipping	Ambient

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