

SP XPure Agarose Resin

Cat. # P2040-50, P2040-500

Size: 50 ml (Cat.# P2040-50), 500 ml (Cat.# P2040-500)

Bead (Geometry, size): 45 - 165 μ m

Ion exchange type: Strong cation

Cross-Linked: Yes

Ligand: sulphopropyl group

Agarose %: Highly cross-linked 6% agarose

Binding Capacity: 0.18-0.25mmol H⁺/ml medium

Maximum pressure: 0.3 Mpa

Flow rate: 400-700cm/h

Volume %: 50% (v/v) aqueous suspension containing 20% Ethanol

Application: Batch, Gravity, MPLC and FPLC

Introduction: SP XPure Agarose Resin is part of Ion exchange Resin which is widely used in biomedical and bioengineering for separation and purification of proteins, nucleic acids and polypeptides. The base matrix of SP XPure Agarose Resin is 6% highly cross-linked agarose which 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, for details see table under each respective ion exchanger. SP XPure Agarose Resin is a weak cation exchanger. The ion exchange group is a sulphopropyl group, -O-CH₂CHOHCH₂OCH₂CH₂CH₂SO₃⁻

The XPure series of resins are made for large scale and fine purification using a high-performance liquid chromatography (HPLC) system.

Storage Temperature: 2-8 °C

