

DEAE XPure Agarose Resin

Cat. # P2010-50, P2010-500

Size: 50 ml (Cat.# P2010-50), 500 ml (Cat.# P2010-500)

Bead (Geometry, size): 45 - 165 μm

Ion exchange type: Weak anion

Cross-Linked: Yes

Ligand: diethylaminoethyl group

Agarose %: Highly cross-linked 6% agarose

Binding Capacity: 0.11-0.16mmol Cl-/ml medium

Maximum pressure: 0.3 MPa

Flow rate: 300-600cm/h

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

Application: Batch, Gravity, MPLC and FPLC

Introduction: DEAE 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 DEAE 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. DEAE XPure Agarose Resin is a weak anion exchanger. The ion exchange group is a diethylaminoethyl group $-\text{O}-\text{CH}_2\text{CH}_2-\text{N}^+(\text{C}_2\text{H}_5)_2\text{H}$

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 $^{\circ}\text{C}$

