

Dextrin XPure Agarose Resin

Cat. # P3080-10, P3080-50

Size:	10 ml (Cat.# P3080-10), 50 ml (Cat.# P3080-50)
Bead (Geometry, size):	45 - 165 μm
Cross-Linked:	Yes
Ligand:	Dextrin
Agarose %:	Highly cross-linked 6% agarose
Binding Capacity:	> 10 mg MBP tagged protein (80 kDa)
Maximum pressure:	0.3 MPa, 3 bar
Volume %:	50% (v/v) aqueous suspension containing 20% Ethanol
Application:	Batch, Gravity, MPLC and FPLC

Introduction: Dextrin XPure Agarose Resin is a chromatography medium for the isolation of proteins fused to maltose binding protein (MBP-tagged protein). Tagging proteins with MBP often gives increased expression levels and higher solubility of the target protein. Proper folding of the attached protein has also been shown to be promoted by the MBP tag. Since MBP increase solubility, the tag is particularly useful for recombinant proteins accumulated in an insoluble form (inclusion bodies). See table 1. Affinity purification using Dextrin XPure Agarose Resin take place under physiological conditions and mild elution is performed using maltose which preserve target protein activity.

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

