PRODUCT DATA SHEET

Praesto® Jetted A50 HipH

Agarose Highly Cross Linked Caustic Resistant Protein-A-resin, Uniform Particle Size, 50 µm

In partnership with Repligen (utilizing NGL-Impact A Hi pH ligand), Praesto Jetted A50 HipH is Purolites latest technological innovation in affinity chromatography. The new protein A resin addresses the limitation of pH sensitive molecules to use conventional protein A chromatography where low pH elution is required. The selectivity of protein A is now available to those sensitive molecules.

Significant improvements can be gained with associated process impurity removal in conventional monoclonal antibody purification by utilising the unique elution properties of Praesto Jetted A50 HipH.

Praesto Jetted HipH A50 beads are manufactured using patented Jetting technology, an innovative process that produces uniform size agarose beads with a very narrow particle size distribution. These uniform particle sizes deliver superior performance characteristics over traditional resins.

PRINCIPAL APPLICATIONS

- MAb Purification

ADVANTAGES

- Manufactured using patented Jetting technique
- Uniform particle size
- Religen ligand NGL-Impact® A Hi pH
- Dynamic binding capacity up to ~60 mg /hIgG/ml resin
- Alkaline stable in 0.1 M NaOH for over 100 cycles
- Enhanced pressure/flow performance – Flows are up to 250 cm/h in a 60 x 20 cm column
- Manufactured with reduced environmental impact

REGULATORY APPROVALS

- Manufactured under GMP conditions

TYPICAL PACKAGING

- Bulk Resin
- Production-Scale OPUS® Columns
- OPUS® Robocolumns®
- OPUS® MiniChrom Columns
- HT Columns

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Polymer Structure	Highly cross linked agarose
Appearance	Spherical, uniform size beads supplied in 20% ethanol slurry. On request 2% benzylalcohol
Functional Group	Protein A
Average Particle Size (d_{50}), µm	50 µm
Particle size range (micron)	95% between 35-90 µm (Uniformity coefficient = <1.3)
Dynamic binding capacity	Up to ~60 mg hIgG/ml resin

Pressure/flow specifications	Up to 250 cm/h (20 x 60 cm column)
pH stability, CIP (short term)	2 - 14
pH stability, working range	3 - 12
Recommended Storage	2 - 8 °C
Recommended Storage	20% ethanol

Purolite®

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