

# Praesto® Jetted A50

Highly Cross Linked Agarose  
Protein A Affinity Resin

Praesto Jetted A50 is an agarose-based novel Protein A affinity resin with industry-leading performance characteristics, and utilizes a new ligand from Repligen Corporation - NGL-Impact™ A. Praesto Jetted 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.

For any queries relating to our Protein A resins please [contact a specialist](#)

For further information, we also have an [FAQs](#) page.

## PRINCIPAL APPLICATIONS

- Protein purification (20-500 kDa)
- MAb Purification

## ADVANTAGES

- Uniform particle size
- Repligen® NGL-Impact™ A ligand
- Highest dynamic binding capacity (~80g/l)
- Exceptional alkaline stability
- Enhanced pressure/flow performance
- Manufactured with reduced environmental impact

## REGULATORY APPROVALS

- Manufactured under cGMP 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 ( $d_{50}$ ), $\mu\text{m}$	50 $\mu\text{m}$
Particle size range (micron)	95% between 35-90 $\mu\text{m}$ (Uniformity coefficient = <1.3)
Dynamic Binding Capacity (min.)- 3 minutes residence time	~ 50 g/l at 3 mins residence time and up to ~80 g/l at 10 mins residence time
Pressure/flow (min.) - at 3 bar in a 2.6 x 20 cm column (pressure-packed at 4 bar)	> 300 cm/h

pH stability, CIP (short term)	2 - 14
pH stability, working range	3 - 12
Recommended Storage	2 - 8 °C
Recommended Storage	20% ethanol