

Praesto® Jetted SP35

Highly Cross Linked Strong
Cation Exchanger uniform
agarose particle beads

Praesto Jetted SP35 is an agarose-based, strong acid cation exchange resin designed for biomolecule purification, including proteins, peptides and oligonucleotides. It is manufactured using 'Jetting' - a new, patented method that produces agarose beads with a very narrow particle size distribution.

Purolite is the first agarose resin provider to produce process-scale volumes of uniform particle size beads.

[Praesto® Ion Exchange Chromatography Resins - FAQs](#)

PRINCIPAL APPLICATIONS

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

ADVANTAGES

- Uniform particle size
- Enhanced productivity
- High dynamic binding capacity
- Enhanced pressure/flow performance
- Manufactured with reduced environmental impact
- Secure, validated supply and regulatory support

REGULATORY APPROVALS

- Manufactured under cGMP conditions

TYPICAL PACKAGING

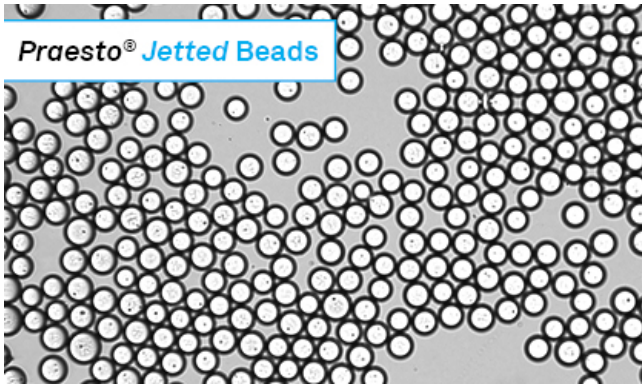
- Bulk Resin
- Production-Scale OPUS® Columns
- OPUS® Robocolumns®
- OPUS® MiniChrom Columns
- HT Columns

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS:

Matrix	Cross-linked agarose
Functional Group	CH ₂ CH ₂ CH ₂ SO ₃
Ionic Capacity, mmol/mL Resin	0.11-0.16
Average Particle Size (d ₅₀), µm	35
Flow Velocity cm/h at 3 bar in a 2.6 x 20 cm Column (packed at 4 bar)	> 150
Binding Capacity mg/mL Resin at 6' Residence Time	> 90 mg/ml IgG
Operating pH Stability (Short Term)	pH 3-14
Operating pH Stability (Long-Term)	pH 4-13
Working Temperature	4-30°C

Chemical stability	All commonly used aqueous buffers, 1M NaOH, 8M urea, 6M guanidine hydrochloride, 30% isopropanol and 70% ethanol
Avoid	Oxidizing agents, cationic detergents
Storage	20% ethanol, 0.2M sodium acetate, 4-30°C

Praesto® Jetted Beads



Standard Agarose Beads

