

# Praesto® CNBr

## Highly Cross Linked Pre-Activated Agarose Base Matrix

Praesto® CNBr resins offer a simple solution for ligand immobilization onto an agarose chromatography matrix, which can be utilized to make customized affinity media. This enables rapid scale-up from R&D to large-scale bioprocess production columns. Purolite Life Sciences can also offer custom solutions through our use of [jetting](#) technology, enabling the precise control of any bead size.

The use of Cyanogen bromide (CNBr) pre-activated base matrices is a well-established, rapid and familiar technique for the coupling of bio-specific ligands to generate affinity chromatography purification media. This choice of pre-activation chemistry is well suited for research, diagnostic and academic applications.

[Praesto® Pre-Activated Chromatography Resins - FAQs](#)

### PRINCIPAL APPLICATIONS

- Protein purification (20-500 kDa)
- Production of customized affinity chromatography media

### ADVANTAGES

- High productivity
- High capacity
- Enhanced pressure/flow performance
- 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:

Polymer Structure	Highly cross linked agarose
Appearance	Spherical beads
Functional Group	CNBr
Chemical stability	After coupling - All commonly used aqueous buffers, 2M NaOH, 8M urea, 6M guanidine HCl, 30% isopropanol, 70% ethanol, 30% acetonitrile and commonly used detergents
Particle Size - µm	45, 65, 90 µm
Pressure/flow (min.) - at 3 bar in a 2.6 x 20 cm column (pressure-packed at 4 bar)	200 cm/h
Exclusion limit for globular proteins	10 <sup>7</sup> Daltons
pH stability, CIP (short term)	2 - 11
pH stability, working range	3 - 11

Recommended Storage	2 - 8 °C
Recommended Storage	20% EtoH (after coupling)