SIZE EXCLUSION CHROMATOGRAPHY

RAPID RUN™ AGAROSE BEADS GENERAL DESCRIPTION

ABT has developed Rapid Run™ high throughput beads to meet a media market demand for industrial process separations. Their rigidity and mechanical resistance permits high flow rates, with good resolution in a minimum of time, making these beads ideal for process-scale use.

Rapid Run™ beads are based on highly crosslinked 4% and 6% agarose matrices, respectively, which give excellent physical and chromatographic qualities.

Rapid Run™ beads exhibit the following main characteristics:

- High mechanical resistance.
- High Flow/ Pressure properties.
- High physical and chemical stability.
- Scalable
- Good binding capacity
- Low Non specific adsorption
- Thermally stable.
- Good reproducibility.

Rapid Run™ beads are an ideal support for the immobilization of ligands for Affinity Chromatography and base media support for producing IEX and Hydrophobic interaction chromatography resins.

These media are the accepted standard for laboratory as well as large scale applications.

6% Rapid Run™ beads provide a more rigid medium, whereas the larger pore size of 4% Rapid Run™ beads has advantages when purifying large biomolecules.

Comparative Flow / Pressure chart vs main competitors

Bead Type	Maximum flow rate* (ml/min)	Maximum flow rate* (cm/h)
ABT 4B Rapid Run™	35	1050
Countertype1	25	750
Countertype2	25	750
ABT 6B Rapid Run™	60	1800
Countertype1	35	1050
Countertype 2	35	1050

Column; XK 16/40. Bed Height: 15 cm. ÄKTA Purifier UPC 100.
(*) Maximum flow rates: The highest flow that beads withstood for 1 minute without collapsing and the pressure reaching 1MPa.

ABT GD RR Rev. 2011/A

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