

Butyl Agarose High Performance

Cat. No. Butyl HP-001A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Butyl HP are prepacked Butyl agarose High Performance columns for high-resolution hydrophobic interaction chromatography (HIC). The columns are used for small-scale protein purification as well as for screening of binding and elution conditions.
Cat.no	Butyl HP-001A
Characteristics	Butyl agarose High Performance is based on a 34 µm matrix. The small beads with high rigidity gives high resolution at high flow rate, and make the product excellent for polishing steps. 1. Provide convenient and fast small-scale protein purifications. 2. Butyl agarose High Performance is an aliphatic HIC medium, designed for intermediate and polishing step where high resolution has priority. 3. Flexible design for use with syringes, single laboratory pump, or chromatography system. 4. High flow rates and high capacities. Excellent and easy scale-up achieved by connecting several HiTrap columns in series or using HiPrep columns.
Form	Slurry in 20% Ethanol
Size	5 mL
Column	HiTrap
Matrix	6% crosslinked agarose with spherical beads
Average particle size	34 µm

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Ligand	Butyl
Ligand concentration	50 µmol/ml medium
Dynamic binding capacity	38 mg β-lactoglobulin/mL medium
Recommended flow rate	1 ml/min
Chemical stability	Good chemical stability allows the use of the prepacked columns with most commonly used buffers and organic solvents, like for example 1 M NaOH, 70% ethanol, 30% isopropanol, 6 M GuHCl and 8 M urea. The compatibility with other solvents have been verified by conducting stability test for some of the media with 1 M acetic acid, 3 M (NH ₄) SO ₄ and 1 M HCl.
pH working range	3-13
pH CIP range	2-14
Temperature Stability	4-40 °C
Shelf life	minimum 5 years

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