Phenyl Agarose High Performance

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

SPECIFICATION

Product Overview	Phenyl HP are prepacked Phenyl 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 elutions conditions.
Cat.no	Phenyl HP-001A
Characteristics	Phenyl agarose High Performance is based on a 34 µm matrix and is ideal for laboratory and intermediate process scale separations and for final step purifications where high resolution is needed.1. Provide convenient and fast small-scale protein purifications.2. Phenyl agarose High Performance is a well-established aromatic HIC medium, designed for intermediate and polishing steps where high resolution has priority.3. Flexible design for use with syringes, single laboratory pump, or chromatography system such as ?KTA design. High flow rates and high capacities.4. 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

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Average particle size	34 µm
Ligand	Phenyl
Ligand concentration	25 µmol/ml medium
Dynamic binding capacity	45 mg α-chymotrypsinogen/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 (NH4) SO4 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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