

## Phenyl Agarose Fast Flow

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

### SPECIFICATION


<b>Product Overview</b>	Phenyl FF are prepacked Phenyl agarose 6 Fast Flow columns for hydrophobic interaction chromatography (HIC). The columns are used for small-scale protein purification as well as for screening of binding and elutions conditions.
<b>Cat.no</b>	Phenyl FF-001A
<b>Characteristics</b>	Phenyl agarose Fast Flow is a well-established, standard aromatic HIC medium for capture and intermediate purification requiring low to medium hydrophobicity which is based on a 90 µm matrix, making it ideal for initial and intermediate step purifications requiring a matrix with medium to high hydrophobicity. The availability of two degrees of substitution grades increases the possibility of finding the best selectivity and capacity for a given application.
<b>Form</b>	Slurry in 20% Ethanol
<b>Size</b>	5 mL
<b>Column</b>	HiTrap
<b>Matrix</b>	6% crosslinked agarose with spherical beads
<b>Average particle size</b>	90 µm
<b>Ligand</b>	Phenyl

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<b>Ligand concentration</b>	25-40 $\mu\text{mol/ml}$ medium
<b>Chemical stability</b>	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 <sub>4</sub> ) SO <sub>4</sub> and 1 M HCl.
<b>pH working range</b>	3-13
<b>pH CIP range</b>	2-14
<b>Temperature Stability</b>	4-40 °C
<b>Shelf life</b>	minimum 5 years

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