

Heparin Agarose High Performance

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

SPECIFICATION

Product Overview	Heparin HP columns are prepacked with Heparin Agarose High Performance for high-resolution purification of proteins with affinity for heparin such as DNA-binding proteins, coagulation factors, lipoproteins, and protein synthesis factors.
Cat.no	Heparin-001A
Characteristics	Heparin is coupled to the Agarose High Performance base matrix via the N-hydroxysuccinamide coupling method, to give high capacity, performance, and low leakage levels. HiTrap Heparin HP is delivered in 0.2 M NaCl with 20% ethanol as bacteriostatic agent. It can operate as an affinity ligand with affinity for a wide range of biomolecules, including coagulation factors and other plasma proteins, lipoproteins, protein synthesis factors, enzymes that act on nucleic acids, and steroid receptors. Heparin also functions as a high capacity cation exchanger, due to its anionic sulfate groups. Gradient elution with salt is most commonly used in both cases.
Size	1 mL, 5 mL, 25mL
Matrix	Highly cross-linked agarose, 6%
Average particle size	34 µm
Ligand	Porcine heparin
Ligand concentration	10 mg heparin/ml medium

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Dynamic binding capacity	3 mg antithrombin III (bovine)/ml medium
Recommended flow rate	0.2 to 1 ml/min and 1.5 ml/min for 1 ml and 5 ml column respectively
Chemical stability	All commonly used buffers
pH working range	5-10
pH CIP range	5-10

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