

IMAC Agarose Fast Flow

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

SPECIFICATION

Product Overview	IMAC agarose Fast Flow is a BioProcess IMAC medium, designed for purifying proteins and peptides that have an affinity for metal ions, such as histidine-tagged proteins but also untagged recombinant or native proteins.
Cat.no	IMAC FF-001A
Characteristics	IMAC agarose Fast Flow is composed of cross-linked 6% agarose beads modified with a novel chelating ligand immobilized to the base matrix. IMAC agarose 6 Fast Flow is supplied free of metal ions, allowing the user to charge it with the most appropriate metal ion for purification of a target protein. The coupling chemistry and the novel ligand is designed to give minimal ligand leakage while providing high capacity. IMAC agarose 6 Fast Flow is available in a range of different bulk pack sizes and convenient pre-packed formats for easy scale-up and process development.
Size	25 mL, 100 mL
Matrix	Highly cross-linked 6% spherical agarose
Ion exchange capacity	Approx. 15 $\mu\text{mol Ni}^{2+}/\text{ml}$ medium
Average particle size	90 μm
Dynamic binding capacity	Approx. 40 mg (histidine) ₆ -tagged protein/ml medium (Ni^{2+} charged).

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Recommended flow rate	<150>
Recommended column height	5-20cm
Chemical stability	Stable in: 0.01 M HCl, 0.1 M NaOH. Tested for one week at 40°C. 1 M NaOH, 70% acetic acid. Tested for 12 h. 2% SDS. Tested for 1 h. 30% 2-propanol. Tested for 30 min.
pH working range	3-12
pH CIP range	2-14
Temperature Stability	4-30°C

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