

PreDictor RoboColumn IMAC Sepharose 6FF

Product Information

Cat#No# Pr-116P

Product Overview

His MultiTrap FF and His MultiTrap HP are prepacked disposable 96-well plates for reproducible high throughput parallel purification of histidine-tagged recombinant proteins by Immobilized Metal ion Affinity Chromatography (IMAC).

Description

His MultiTrap FF is prepacked 96-well filter plates for high-throughput screening of histidine-tagged* proteins from clarified or unclarified lysates. Purification is performed by immobilized metal ion affinity chromatography (IMAC). The plates are prepacked with Ni Sepharose 6 Fast Flow (His MultiTrap FF) or Ni Sepharose High Performance (His MultiTrap HP). A protocol for His MultiTrap is available in His Buffer Kit. The kit is available with ready-made buffer solutions, for increased convenience and for fast buffer preparation.

Characteristic

Prepacked multiwell filter plates for high reproducibility in expression screening and small-scale purification of histidine-tagged* proteins.

Increased convenience and consistency with prepacked 96-well plates.

No filtration needed - load unclarified sample directly, increase reproducibility, and save time.

Use His MultiTrap 96-well filter plates with robotic systems or manually with centrifugation or vacuum.

Easy scale-up to HisTrap FF, HisPrep FF 16/10 or HisTrap HP prepacked columns.

High chemical stability and high binding capacity up to 1 mg of histidine-tagged protein per well.

Metal ion capacity

~15 μ mol Ni²⁺ /mL resin

Average particle size

90 μ m

Chemical stability

0.01 M HCl or 0.1 M NaOH for one week at 40 °C. 1 M NaOH or 70% acetic acid for 12 h. 2% SDS for 1 h.

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30% 2-propanol for 30 min.

pH working range

2 to 14

CIP stability

3 to 12

Storage

4 - 30°C, 20% Ethanol

Binding buffer

20 mM sodium phosphate, 500 mM NaCl, 20–40 mM imidazole, pH 7.4 (The optimal imidazole concentration is protein-dependent; 20–40 mM is suitable for many proteins).

Elution buffer

20 mM sodium phosphate, 500 mM NaCl, 500 mM imidazole, pH 7.4.

Pack size

4 × 96-well filter plates

Dimensions

127.8 × 85.5 × 30.6 mm

Number of wells

96

Material

Polypropylene and polyethylene

Centrifugation force recommended

100 x g-500 x g

Centrifugation force max.

700 x g