

## PreDicator 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  $\mu\text{mol Ni}^{2+}$  /mL resin

### Average particle size

90  $\mu\text{m}$

### 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.

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**pH working range**

2 to 14

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**CIP stability**

3 to 12

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**Storage**

4 - 30°C, 20% Ethanol

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**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).

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**Elution buffer**

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

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**Pack size**

4 × 96-well filter plates

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**Dimensions**

127.8 × 85.5 × 30.6 mm

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**Number of wells**

96

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**Material**

Polypropylene and polyethylene

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**Centrifugation force recommended**

100 x g-500 x g

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**Centrifugation force max.**

700 x g

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