

# HisTrap™ FF crude

## Speed and convenience

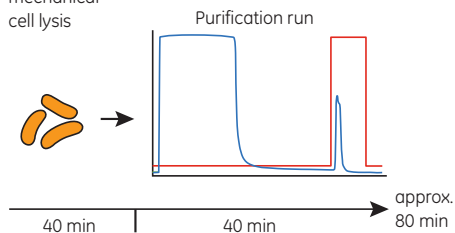
HisTrap FF crude is a ready-to-use column for convenient purification of histidine-tagged proteins from unclarified lysates by immobilized metal ion affinity chromatography (IMAC).



- Reliable purification of histidine-tagged proteins directly from unclarified lysates – simply sonicate and run
- Reduced sample preparation time, which minimizes risk of protein degradation
- Compatible with a wide range of reducing agents, detergents, denaturants, and other additives
- Available in convenient, prepacked 1 ml and 5 ml HisTrap™ column formats
- Convenient HisTrap FF crude Kit offers three HisTrap FF crude 1 ml columns, premade buffers, connectors, and a syringe
- Simple operation with a syringe, pump, or chromatography system such as ÄKTA™ design

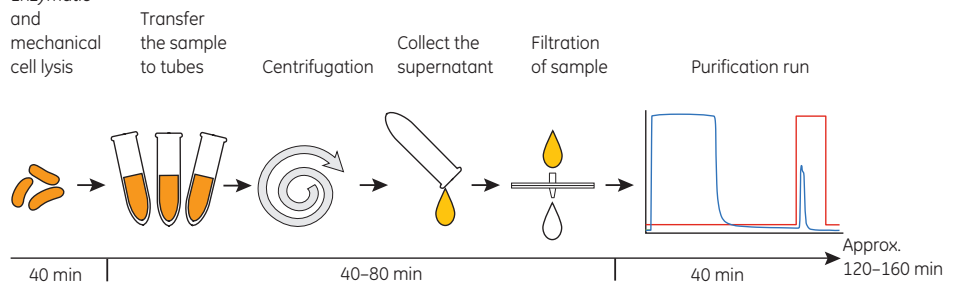
### HisTrap FF crude

Enzymatic  
and  
mechanical  
cell lysis



### Conventional IMAC

Enzymatic  
and  
mechanical  
cell lysis



Schematic showing the time saved in purification of histidine-tagged proteins using HisTrap FF crude (only 80 min) compared to conventional IMAC (between 120 and 160 min).



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HisTrap FF crude 1 ml and 5 ml columns permit rapid, yet reliable purifications from unclarified samples, with minimum sample preparation time and a reduced need for equipment.

### Ordering information

Product	Quantity	Fisher Scientific Cat. No.
HisTrap FF crude	5 × 1 ml column	45000000
HisTrap FF crude	5 × 5 ml column	45000335
HisTrap FF crude Kit <sup>1</sup>	3 × 1 ml columns, premade buffers, connectors, syringe	45001428
His Buffer Kit <sup>2</sup>	1 kit	45000007

<sup>1</sup> Contains 3 × 1 ml HisTrap FF crude columns, premade sodium phosphate buffer concentrate (2 × 50 ml phosphate buffer, pH 7.4), 2 M imidazole pH 7.4, connectors, syringe, and instructions.

<sup>2</sup> Contains premade sodium phosphate buffer concentrate (2 × 100 ml phosphate buffer, pH 7.4) and 2 M imidazole pH 7.4

To find out more about the complete Protein Purification product range visit [www.gelifesciences.com/protein-purification](http://www.gelifesciences.com/protein-purification)

Your favorite Protein Purification products are now available from your local supplier:

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