

## Protein A HP MultiTrap

### Product Information

**Cat#No#** HP-046P

### Product Overview

Protein A Sepharose High Performance has high affinity for the Fc region of IgG from a variety of species.

### Description

Protein A Sepharose High Performance has high affinity for the Fc region of IgG from a variety of species. The two options in the protein enrichment protocol allow the attached antigen (protein of interest) to be eluted separately (cross-link protocol) or together with the antibody (classic protocol). Remember to order the collection plates for washing and elution of the enriched protein.

### Characteristic

Fast, reliable ease-of-use format for small-scale purification of antibodies or enrichment of proteins of interest in prepacked 96-well filter plates that are ready to use.

Flexible format, with protocols for classic elution and cross-link method.

Elution conditions formatted for both electrophoresis and LC-MS analysis workflows.

Fast binding kinetics and high capacity provides high yield.

Easy scale-up with HiTrap Protein A HP prepacked columns.

Prepacked with Protein A Sepharose High Performance for coupling of antibodies of IgG subclasses.

MultiTrap 96-well filter plates can be used with centrifugation or vacuum, manually or in automated robotic systems.

### Applications

Centrifugation ; Vacuum

### Ligand Coupling Method

N-hydroxysuccinimide activation

### Matrix

Highly cross-linked agarose, 6%

### Average particle size

## Protein A HP MultiTrap

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34 µm

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**Ligand**

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Protein A

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**Ligand density**

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Approx. 3 mg protein A/mL medium

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**Dynamic binding capacity**

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> 10 mg human IgG/mL medium

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**pH working range**

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3–9

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**CIP stability**

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2–9

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**Temperature stability**

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4°C to 30°C

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**Storage**

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2 - 8°C, 20% Ethanol

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**Shipping**

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20% ethanol

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**Binding buffer**

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20 mM sodium phosphate, pH 7.0

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**Elution buffer**

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0.1 M glycine-HCl, pH 2.7

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**Purification procedures**

1. Prepare collection plates For step 6, prepare 2 collection plates for eluted fractions, each containing 15 µL neutralizing buffer per well.

## Protein A HP MultiTrap

2. Remove storage solution a. Suspend the medium by gently shaking the plate upside down. b. Remove top and bottom seals and place the MultiTrap plate on a collection plate. c. Remove the storage solution by centrifugation for 1 min at 70-100 × g.
3. Equilibrate a. Add 300 µL binding buffer and mix briefly. b. Centrifuge for 30 s at 70-100 × g.
4. Bind antibody a. Add maximum 300 µL of the antibody solution. b. Incubate for 4 min while gently mixing. c. Centrifuge for 30 s at 70-100 × g.
5. Wash a. Add 300 µL binding buffer, mix briefly and centrifuge for 30 s at 70-100 × g. b. Perform this step 2 times total.
6. Elute antibody a. Replace the collection plate with a collection plate prepared in step 1. b. Add 200 µL of elution buffer, mix briefly and centrifuge for 30 s at 70 × g and collect the eluate. c. Perform this procedure 2 times total.

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**Pack size**

4

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**Dimensions**

127.8 × 85.5 × 30.6 mm

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**Column volume**

800 µL

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**Material**

Polypropylene and polyethylene

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**Resin suspensions in total volumes**

50 µl

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**Centrifugation force recommended**

<700 × g

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**Operating temp. max.**

30°C

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**Operating temp. min.**



## Protein A HP MultiTrap

4°C

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**Scale**

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Lab

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**Format**

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Prepacked 96-well plate

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