

## Protein A HP SpinTrap

### Product Information

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**Cat#No#** HP-047P

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### Product Overview

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Protein A HP SpinTrap are designed for the enrichment of proteins of interest, immunoprecipitation and the purification of monoclonal and polyclonal antibodies from cell lysates and biological fluids. Contain Protein A Sepharose HP.

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### Description

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Protein A Sepharose HP 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. There is also a protocol for efficient, small-scale purification of monoclonal and polyclonal antibodies from serum and cell culture supernatants in less than 20 min. No pretreatment of the sample is required.

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### Characteristic

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For simple, small-scale antibody purification or enrichment of specific proteins in prepacked, single-use spin columns that are ready to use.

Classic and cross-link protocols provide flexibility.

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

Fast binding kinetics and high capacity provide high yield.

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

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

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### Applications

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Enrichment of target proteins Purification of antibodies.

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### Sample preparation

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600 µl

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### Ligand Coupling Method

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N-hydroxysuccinimide activation

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## Protein A HP SpinTrap

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**Matrix**

Highly cross-linked agarose, 6%

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**Average particle size**

34 µm

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**Ligand**

Native protein A

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**Ligand density**

Approx. 3 mg protein A/mL medium

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**Dynamic binding capacity**

> 1 mg human IgG well

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**pH working range**

3–9

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**CIP stability**

2–9

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**Temperature stability**

4°C to 30°C

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**Storage**

2 - 30°C, 20% Ethanol

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**Shipping**

20% ethanol

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**Binding buffer**

20 mM sodium phosphate, pH 7.0

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**Elution buffer**

0.1 M glycine-HCl, pH 2.7

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## Protein A HP SpinTrap

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**Pack size**

16 columns

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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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