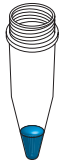
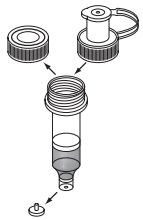
1 Dilute and filter sample



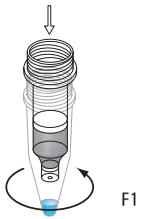
Dilute 12–14 µL human plasma sample to 200 µL with Buffer A. Consult cartridge certificate for true sample capacity. Filter through 0.22 µm spin filter.

2 Prepare spin cartridge



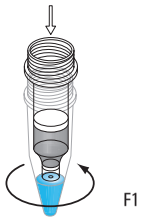
Remove cartridge cap and plug and remove buffer from top of resin bed with transfer pipette. **Never let frits or resin bed run dry.**

3 Apply sample



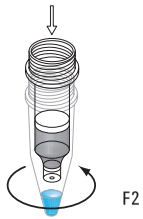
Add 200 µL diluted plasma sample. Cap cartridge loosely or leave open. Place in 1.5 -mL collection tube labeled "Flow-through fraction 1" (F1). Centrifuge 30 s at 200 x g.

4 Wash and collect flow-through F1



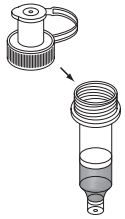
Add 400 µL Buffer A. Centrifuge 1 min at 200 x g. Collect in F1 tube.

5 Wash and collect flow-through F2



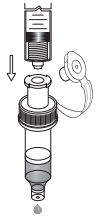
Place spin cartridge in new collection tube labeled "Flow-through fraction 2" (F2). Add 400 µL Buffer A. Centrifuge 1 min at 200 x g. Collect in F2 tube.

6 Prepare for elution



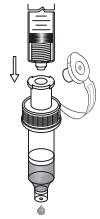
Remove spin cartridge from F2 tube and attach luer-lock adapter tightly to top of cartridge.

7 Elute bound fraction



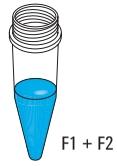
Fill 5 mL Luer-Lok plastic syringe with 2 mL Buffer B and attach to Luer-Lok adapter. Slowly push Buffer B through cartridge to elute bound proteins into new collection tube. Save eluate with targeted high-abundance proteins for analysis or discard.

8 Re-Equilibration



Fill new 5 mL plastic syringe with 4 mL Buffer A and attach to Luer-Lok adapter. Slowly push Buffer A through cartridge to re-equilibrate the cartridge for the next sample or store wetted with Buffer A (at 4°C).
Re-cap both ends for storage.

9 Analyze F1 + F2



Fractions F1 and F2 can be analyzed individually or combined. Concentrate and analyze these fractions containing **low-abundance proteins**.

For more detailed instructions or information on accessories refer to the Agilent Plasma 7 Multiple Affinity Removal Spin Cartridge Instruction Guide

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Visit www.agilent.com/chem/bioreagents for more products that will help make your proteomics research more efficient:

- Multiple Affinity Removal LC columns for automated serum/plasma processing
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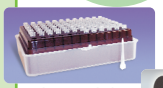
- Spin filters and concentrators for cleaning, concentrating, and buffer-exchanging samples
- MALDI-MS matrices and peptide/protein standards for your proteomics studies
- mRP-C18 column for extremely high recovery protein fractionation or desalting

Multiple Affinity Removal LC column

Protein In-Gel Tryptic Digestion Kit



Cleanup C18 Pipette Tips

mRP Column

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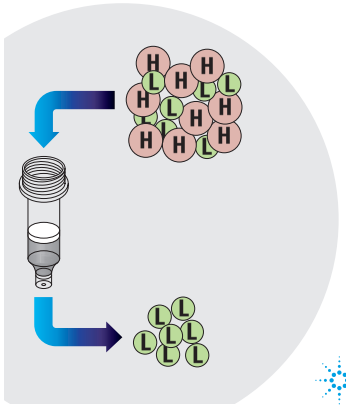
For Human Serum

Agilent Plasma 7 Multiple Affinity Removal Spin Cartridge

Part Number 5188-6408

Quick Reference Guide



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