

The ProTrap XG is a disposable, two-stage filter/extraction cartridge, which operates within a benchtop microcentrifuge. For Research Use Only.

GENERAL

What purity can I expect with the ProTrap XG?

The ProTrap XG is capable of removing over 99.8% of sodium dodecyl sulfate (SDS). It will also eliminate salts and other buffer components.

What yield can I expect with the ProTrap XG?

Users typically see greater than 95% recovery of proteins using the ProTrap XG.

Do you have published research results?

Our Chief Scientist, Alan Doucette, Research Associate, Jessica Nickerson, and other members of the Proteoform Scientific R&D team regularly publish posters and papers on the ProTrap XG. You can view these at industry conferences and forums and at proteoform.com under Science. The original paper was published in the *Journal of Proteomics* (April 2015).

Do you sell a kit with reagents?

A ProTrap XG kit with reagents is part of our product pipeline. Contact us for updates regarding product availability and more.

Do you have an automated solution?

A 96 well-plate version of the ProTrap XG is part of our product pipeline. Contact us for updates regarding product availability and more.

SAMPLE PREP

How does the ProTrap XG clean the sample?

We use a combination of solvent precipitation (Filtration Cartridge), and solid phase extraction (SPE Cartridge) and follow optimized, peer reviewed protocols to ensure the highest level of purity, yield, and throughput

What type of samples can be used in the ProTrap XG?

The ProTrap XG is designed to purify types of proteins, from simple to complex mixtures.

What's the amount of protein that the ProTrap XG can prepare?

Having demonstrated exceptionally high recovery down to sub-microgram quantities, the device can accommodate up to 100 microliters of protein, or up to 1 mg protein.

What's the volume of sample that the ProTrap XG can handle?

The Filtration Cartridge holds up to 500 microliters. But keep in mind this volume includes the organic solvent used for precipitation, which is why we suggest up to 100 microliters of sample solution.

PEPTIDE CLEANUP

Does the ProTrap XG do peptide clean-up?

Our team is currently exploring new strategies to clean up low molecular weight (<5 kDa) proteins and peptides through precipitation. However, the reversed phase SPE Cartridge and associated protocols are ideally suited for peptide recovery and cleanup.

ProTrap XG vs. other sample prep strategies

What's unique about the ProTrap XG?

Protein precipitation is remarkably effective when performed properly, though challenging to pursue in a reproducible fashion. The ProTrap XG eliminates complex pipetting, and greatly improves throughput. What's more, the versatility of the device, with integrated SPE Cartridge, means you can adapt the ProTrap XG to any number of established protocols in your lab.

How is the ProTrap XG different from FASP?

FASP is a well-known spin cartridge approach to eliminate SDS from proteins. However, this is basically where the similarities to the ProTrap XG end. The ProTrap XG does not make use of MWCO (molecular weight cutoff) membranes, therefore no lengthy spins are required. Protein recovery is far greater. And while the integrated trypsin digestion step can certainly be incorporated into your ProTrap XG cleanup, it is not necessary to recover proteins in high yield. Thus, the ProTrap XG is suited for both top-down and bottom-up proteomics.

ORDERING QUESTIONS

What sizes are the ProTrap XG kits available in?

The ProTrap XG is available in packs of 10, 50, or 100.

PXG-0001 ProTrap XG 10PK

PXG-0002 ProTrap XG 50PK

PXG-0003 ProTrap XG 100PK

Customized quantities are available upon request, reach out to us to discuss options

How do I order the ProTrap XG?

You can order the ProTrap XG using our ecommerce solution at proteoform.com or by email at sales@proteoform.com.

Or if you need a quote we can provide that too.

Do you ship the ProTrap XG worldwide?

Yes, the ProTrap XG is ready to ship anywhere in the world from our headquarters in Halifax, NS.

How does the ProTrap XG need to be stored?

The ProTrap XG requires no special storage conditions.

What are my payment options?

We accept payment via credit card, PayPal, electronic funds transfer or wire transfer.