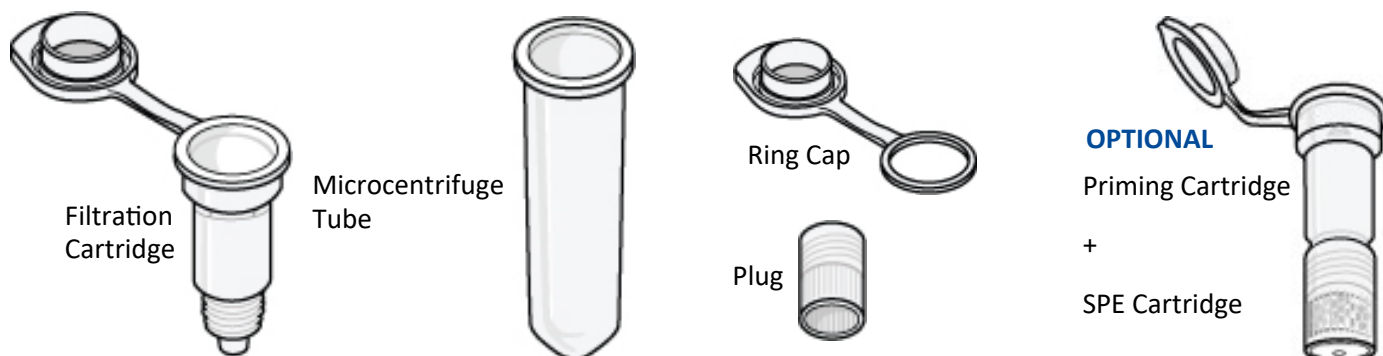


The ProTrap XG is a disposable, two-stage filter/extraction cartridge, which operates within a benchtop microcentrifuge. For Research Use Only.

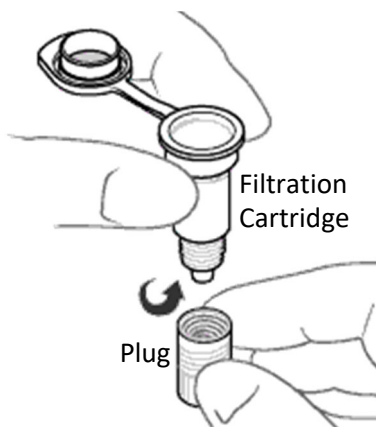
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The ProTrap XG is comprised of the following components:



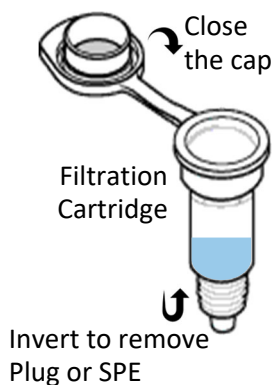
ASSEMBLING THE PROTRAP XG

The ProTrap's interchangeable components are packaged separately. Below is some guidance on assembling and using the components together in workflows.

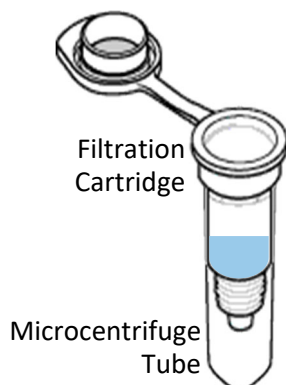


The Plug screws onto the base of the Filtration Cartridge. To ensure a tight seal, give a firm twist by hand.

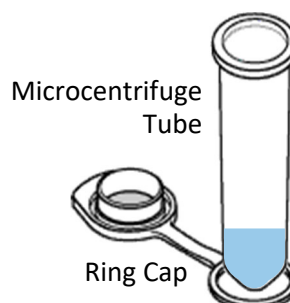
The OPTIONAL SPE Cartridge is attached and removed in the same way.



After sample and reagents have been added to the Filtration Cartridge, cap it and invert before unscrewing the Plug or OPTIONAL SPE Cartridge.



Place the Filtration Cartridge into a Microcentrifuge Tube prior to loading into the centrifuge.



A Ring Cap is provided to conveniently store your sample in the Microcentrifuge Tube. Slide the Ring Cap on to the Microcentrifuge Tube from the bottom.

ANTICIPATED RESULTS

While certain solution additives may influence protein recovery, as well as intrinsic protein properties, the following is provided as a guideline for recovery and purification efficiency using the ProTrap XG Filtration Cartridge.

Precipitation Efficiency > 95%

SDS Removal > 99.75% of a 1% starting SDS concentration

OPTIONAL SPE Clean-Up

The SPE Cartridge is provided as an OPTIONAL de-salting clean-up for your samples. Users should be aware that recovery will be reduced when using the SPE Cartridge.

MATERIALS YOU WILL NEED TO EXECUTE ALL PROTOCOLS

All chemicals and reagents should be ACS grade/HPLC grade or better.

Salt (NaCl)	Urea	Trifluoroacetic acid (TFA)	DTT/TCEP
Acetone	Tris Buffer	Acetonitrile	or alternate reducing agent, if desired
Formic Acid	Trypsin	Isopropanol	Iodoacetamide
			or alternate alkylating agent, if desired

STANDARD LAB EQUIPMENT

Centrifuge, benchtop, capable of 350 to 9000 ×g (2000 to 10,000 rpm)	Vortex mixer
Pipettes and appropriate tips	Personal protective equipment
1.7 or 2 mL Microcentrifuge tubes for waste collection	Biohazard waste container
Waterbath or heat block at 37°C for Trypsin digestion, if appropriate	Organic waste container
Ultrasonic Bath	Disinfectant
Freezer (-20°C)	

CUSTOMER SUPPORT & ORDERING INFORMATION

We work with customers on all types of protocol customization and we want to hear about your work. You can get in touch with us at: t. +1 902 442 4664 OR e. support@allumiqs.com

The ProTrap XG is available in three pack sizes.

PXG-0001 ProTrap XG 10PK

PXG-0002 ProTrap XG 50PK

PXG-0003 ProTrap XG 100PK

To place an order or for larger volumes please contact sales@allumiqs.com to be connected with a distributor/agent in your region. E-shop at allumiqs.com

PRODUCT WARRANTY

Allumiqs Corporation guarantees the quality of this product if used as instructed. Any component of the kit found to be defective shall be replaced free of charge upon return of the defective product. Allumiqs Corporation disclaims any implied warranty of merchantability or fitness for a particular purpose, and in no event shall Proteoform Scientific Inc. be liable for consequent damage.



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