

Whatman Mini-UniPrep™ Syringeless Filter

Prepare HPLC samples
three times faster.

Whatman Mini-UniPrep Syringeless Filters provide a faster, easier way to remove particulates from samples being prepared for High Performance Liquid Chromatography (HPLC) analysis. Add up the time savings, plus the money saved from cutting multiple consumables out of the sample preparation process, and you'll see huge benefits for your laboratory.

Features and Benefits

- **Ease of use** Filtering and storage vial allows you to process sample loads in one-third the time.
- **Wide range of membranes** Suits a variety of sample types.
- **Available in 0.2µm and 0.45µm pore sizes** Meets specific sample requirements.
- **Compatible with all major autosamplers** Allows you to speed processes.
- **Fewer consumables required** Lower costs by up to 40 percent.

Applications

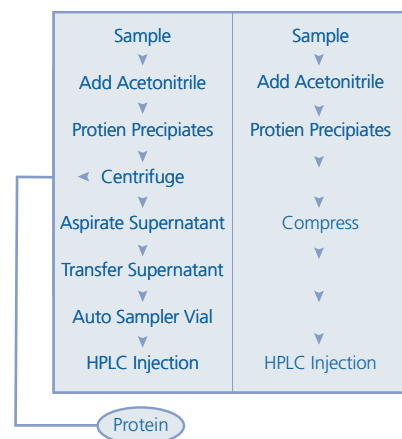
- Routine analysis
- Composite assays
- Content uniformity
- Protein precipitation
- Solubility testing
- Dissolution testing
- Sample filtration



The Mini-UniPrep Syringeless Filter on the left is shown with fluid in the chamber. On the right, the filter plunger is shown compressed with the sample ready for analysis.



'Spin' Method vs. Mini-UniPrep Method



Whatman®

A Variety of Special Mini-UniPrep Filters to Meet your Specific Needs

In a process of continuous improvement and innovation, Whatman has listened to customers and created a whole family of Mini-UniPrep filters to meet specific needs. For customers using robotics

to maximise throughput, Whatman offers Slit Septa Mini-UniPrep. For customers who need to protect samples from light damage, there is Amber Mini-UniPrep.

Slit Septa Mini-UniPrep Syringeless Filter

For high throughput automation.



Features and Benefits

- **Slit septa cap** Enables Mini-UniPrep use with current robotics on HPLC instruments for high throughput automation.
- **Increases needle longevity** Eliminates coring problems associated with repeated sampling.
- **Durable yet flexible** Slit septa cap has been specially designed for instruments with sensitive sampling needs.

Applications

- Use with standard robotics on HPLC instruments with sensitive needles, allowing for higher throughput.

Amber Mini-UniPrep Syringeless Filter

Protects samples from light damage.



Features and Benefits

- **Amber colourant** Prevents photo degradation of light sensitive samples. Same colourant used in pharmaceutical containers designed to meet USP specifications for light resistance.
- **Translucent amber chamber and plunger** 'See-through' clarity to allow visual inspection.

Applications

- Use with any compound that requires protection from oxidation, such as catecholamine or vitamins.

Six Position Compressor Makes Your Job Even Easier



The optional compressor allows you to process up to six Mini-UniPrep filters at the same time, further speeding your workflow and reducing the risk of hand stress.

Simple by Design

Mini-UniPrep makes it faster and easier to process HPLC samples.



Simple.

Place unfiltered sample in chamber.



Innovative.

Compress filter plunger into sample chamber. Clean filtrate fills reservoir from bottom up.



Convenient.

The Mini-UniPrep vial shape fits easily in autosamplers.


The filter membrane is housed at one end of a plunger, with a cap/septum on the other. By pressing the plunger through the sample placed into the chamber, positive pressure forces the filtrate into the reservoir of the plunger. Air escapes through vent holes until the evaporation seal is engaged, providing an airtight seal. Within seconds the Mini-UniPrep can be placed into your autosampler for injection into your instrument.

Whatman®

Choose the Right Mini-UniPrep Filtering Media

Sample Type	Suitable Mini-UniPrep Media
Particulate laden liquids	Glass Microfibre (GMF)
Aqueous/organic samples in 3 to 10 pH range	Nylon (NYL)
General filtration media/solvent based samples	Polypropylene (PP)
Chemically aggressive solutions	Polytetrafluoroethylene (PTFE)
Biological samples requiring low protein binding media	Polyethersulphone (PES)
Aqueous/organic solvents – low non-specific protein binding media	Polyvinylidene fluoride (PVDF)
Aqueous/organic solvents – high flow and loading capacity	Polypropylene Depth (dp PP)

TECHNICAL SPECIFICATIONS

Dimensions	 Equivalent in size to 12mm x 32mm vials
Materials of Construction	Housing and Cap: Polypropylene Filter Media: As specified Septa: PTFE membrane and silicone rubber
Filtering Capacity	0.5mL
Nominal Force Needed to Compress	Approximately 8 psi (0.6 bar)
Max Operating Temperature	120°F (50°C)

WHATMAN CATALOGUE ORDERING INFORMATION

Mini-UniPrep Syringeless Filtration System Standard Cap - Translucent Housing		
Whatman Catalogue Number	Pore Size (µm)	Media
100 PACK SIZE		
UN203NPEAQU	0.2	PVDF
UN203NPENYL	0.2	NYLON
UN203NPEORG	0.2	PTFE
UN203NPEPES	0.2	PES
UN203NPEPP	0.2	PP
UN203NPERC	0.2	RC
UN203NPUAQU	0.45	PVDF
UN203NPUDPP	0.45	dp PP
UN203NPUGMF	0.45	GMF
UN203NPUNYL	0.45	NYLON
UN203NPUORG	0.45	PTFE
UN203NPUPES	0.45	PES
UN203NPUPP	0.45	PP
UN203NPURC	0.45	RC
1000 PACK SIZE		
UN503NPEAQU	0.2	PVDF
UN503NPENYL	0.2	NYLON
UN503NPEORG	0.2	PTFE
UN503NPEPES	0.2	PES
UN503NPEPP	0.2	PP
UN503NPERC	0.2	RC
UN503NPUAQU	0.45	PVDF
UN503NPUDPP	0.45	dp PP
UN503NPUGMF	0.45	GMF
UN503NPUNYL	0.45	NYLON
UN503NPUORG	0.45	PTFE
UN503NPUPES	0.45	PES
UN503NPUPP	0.45	PP
UN503NPURC	0.45	RC

Ordering Information Continued on Back Cover

WHATMAN CATALOGUE ORDERING INFORMATION (Continued)

Mini-UniPrep with Slit Septa for Automated Samples Slit Septa Cap - Translucent Housing

Whatman Catalogue Number	Pore Size (µm)	Media
100 PACK SIZE		
US203NPEAQU	0.2	PVDF
US203NPENYL	0.2	NYLON
US203NPEORG	0.2	PTFE
US203NPEPES	0.2	PES
US203NPEPP	0.2	PP
US203NPUAQU	0.45	PVDF
US203NPUDPP	0.45	dp PP
US203NPUGMF	0.45	GMF
US203NPUNYL	0.45	NYLON
US203NPUORG	0.45	PTFE
US203NPUPES	0.45	PES
US203NPUPP	0.45	PP
1000 PACK SIZE		
US503NPEAQU	0.2	PVDF
US503NPENYL	0.2	NYLON
US503NPEORG	0.2	PTFE
US503NPEPES	0.2	PES
US503NPEPP	0.2	PP
US503NPUAQU	0.45	PVDF
US503NPUDPP	0.45	dp PP
US503NPUGMF	0.45	GMF
US503NPUNYL	0.45	NYLON
US503NPUORG	0.45	PTFE
US503NPUPES	0.45	PES
US503NPUPP	0.45	PP

Amber Mini-UniPrep for Light Sensitive Samples Standard Cap - Amber Housing

Whatman Catalogue Number	Pore Size (µm)	Media
100 PACK SIZE		
UN203APEAQU	0.2	PVDF
UN203APENYL	0.2	NYLON
UN203APEORG	0.2	PTFE
UN203APEPES	0.2	PES
UN203APEPP	0.2	PP
UN203APUAQU	0.45	PVDF
UN203APUDPP	0.45	dp PP
UN203APUGMF	0.45	GMF
UN203APUNYL	0.45	NYLON
UN203APUORG	0.45	PTFE
UN203APUPES	0.45	PES
UN203APUPP	0.45	PP

Six Position Compressor Accessory

Whatman Catalogue Number	Quantity/Box
CR0000006	1

Some parts are made to order, please call for details.

Whatman Quality

Whatman is a global leader in separations technology and is known in the scientific community for providing innovative Life Science products and solutions. Our instinct for simplification accelerates the rate of discovery, reduces costs and saves time. For more information visit www.whatman.com.

Mini-UniPrep and Whatman are trademarks of the Whatman Group.

North America	Whatman Inc Suite 210, 200 Park Avenue Florham Park, NJ 07932 USA Tel: +1-973-245-8300 Fax: +1-973-245-8329 E-mail: info@whatman.com
Europe	Whatman International Ltd Springfield Mill, James Whatman Way, Maidstone, Kent ME14 2LE UK Tel: +44 (0)1622 676670 Fax: +44 (0)1622 677011 E-mail: information@whatman.com
Japan	Whatman Japan KK JPR Ichigaya Building 6F 4-7-15 Kudan-Minami Chiyoda-ku Tokyo 102-0074, Japan Tel: +81 (0)3 5215 1240 Fax: +81 (0)3 5215 1245 E-mail: japaninfo@whatman.com
Asia Pacific	Whatman Asia Pacific Pte Ltd 1 Kim Seng Promenade #15-12 Great World City West Tower Singapore 237994 Tel: +65 6534 0138 Fax: +65 6534 2166 E-mail: WAP@whatman.com

Whatman[®]
Leaders in Separations Technology
www.whatman.com