

DOMINIQUE DUTSCHER SAS

Whatman™ Mini-UniPrep™ syringeless filters

Streamline HPLC and UHPLC sample prep with 4-in-1 Mini-UniPrep™ syringeless filters, reducing plastic waste and saving time.

Overview

Transform your HPLC and UHPLC sample preparation with our Mini-UniPrep™ syringeless filters. These filters combine four steps into one to offer a fast, efficient, and environmentally friendly solution to sample filtration prior to chromatography.

Chromatography sample preparation steps traditionally involve multiple consumables like syringe filters, vials, and septa, which increases costs and time required for sample filtration. Mini-UniPrep™ syringeless filters eliminate the need for these separate disposable components and prepare samples in one-third the time required by other methods used for high performance liquid chromatography.

By excluding large particles from a chromatography sample, the time required to process the mobile phase is shortened and HPLC column life is extended by reducing contamination that causes clogging and back pressure build up.

- Features an integrated autosampler vial, plunger with attached filter membrane, septum and cap: eliminates the need for separate syringes, syringe membrane filters, vials, and septa.
- Designed to hold up to 0.5 mL of unfiltered sample that can then be loaded directly into an autosampler.
- Easy to see when a sample has been filtered.
- Wide range of membranes with 0.2 and 0.45 µm pore sizes to meet specific sample filtration requirements.
- Housing options: amber to prevent photodegradation of light-sensitive samples, or translucent for easy visual inspection made from polypropylene (PP) material.

How the Mini-UniPrep™ syringeless filter works

Mini-UniPrep™ syringeless filters can be used either manually or with a multicompressor. The multicompressor allows for processing of multiple filtration samples, further reducing sample preparation time for chromatographic analysis.

Using the Mini-UniPrep™ syringeless filter is easy. If you are not using a multicompressor, simply place your sample in the Mini-UniPrep™ device, insert the plunger, and compress. Your sample is filtered rapidly and easily. The unique design allows the liquid sample to be forced into the reservoir of the plunger. Any excess air escapes though the vent hole until the seal is engaged. The Mini-UniPrep™ syringeless filter can then be used in an autosampler.

Are you looking for a filter paper, membrane filter, or syringe filter? Let us help find the optimal filter for your needs to ensure reliable sample filtration and analysis.

Discontinuation notice: Effective immediately, certain product lines containing polypropylene membrane are being discontinued with no options for last time purchases. This action is the result of a supply discontinuation of critical raw material.

Please click here for additional information and recommendation on alternative products.

If assistance with alternative products is required, please contact your local Cytiva representative, or request advice from a filtration specialist here.

Product specifications
Whatman™ Mini-UniPrep™ syringeless filter, translucent housing, slit septum cap, 0.45 µm, PTFE filtration media (1000/Pk)

Catalog code	US503NPUORG
Effective filtration area	0.3 cm²
Filter media	Polytetrafluoroethylene (PTFE)
Pack size	1000/Pk
Housing material	Polypropylene (PP)
Sample volume	0.4 mL
Pore size	0.45 µm
Sterile	No
Application	Routine HPLC/UHPLC alysis.

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