

Whatman Mini-UniPrep and RAC II columns allow you to reduce your solvent consumption

The Whatman Mini-UniPrep™ sample preparation device will allow you to process samples for HPLC and UHPLC 60% faster than traditional syringe filter sample preparations. Volumes of maximum 400 µl can be easily processed allowing laboratory technicians to prepare smaller volume samples, hence reducing the usage of solvent.

Place the sample in the Mini-UniPrep, insert the plunger, and compress. Your sample is filtered rapidly, easily, and in small volumes (Fig 1).



Fig 1. The Mini-UniPrep 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.

Mini-UniPrep benefits

- Ease of use – all-in-one filtration and storage vial allows you to process samples in one-third the time
- Compatible with all major autosamplers – allows you to speed processes
- Fewer consumables required – reduce costs by up to 40%
- Reduces the sample volume from between 1 and 5 ml to just 400 µl



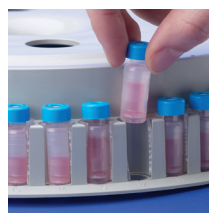
Simple – Place unfiltered sample in chamber.



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



Efficient – Process multiple samples with the Mini-UniPrep compressor.



Convenient – The Mini-UniPrep vial shape fits easily into autosamplers.



Automation Ready – Available with a slit septum cap, Mini-UniPrep can be used with standard robotics on HPLC instruments.



Technical Specification

Dimensions:	Equivalent in size to 12 x 32 mm vials
Materials of Construction:	Housing and Cap: Polypropylene Filtration Media: As specified Septum: PTFE membrane and silicone rubber
Filtration Capacity:	0.4 ml
Nominal Force Needed to Compress:	Approximately 0.6 bar (8 psi)
Maximum Operating Temperature:	50°C (120°F)



Fig 2. 3 times faster sample preparation combined with reduced solvent usage.

Ordering Information

Product	Quantity	Code No.
MUP, 0.2 µm RC	100	UN203NPERC
MUP, 0.2 µm PVDF	100	UN203NPEAQU
MUP, 0.2 µm NYL	100	UN203NPENYL
MUP, 0.2 µm PTFE	100	UN203NPEORG
MUP, 0.2 µm PES	100	UN203NPEPES
MUP, 0.2 µm PP	100	UN203NPEPP
MUP, 0.45 µm RC	100	UN203NPU RC
MUP, 0.45 µm PVDF	100	UN203NPUAQU
MUP, 0.45 µm NYL	100	UN203NPUNYL
MUP, 0.45 µm PTFE	100	UN203NPUORG
MUP, 0.45 µm PES	100	UN203NPUPES
MUP, 0.45 µm PP	100	UN203NPUPP
MUP Amber, 0.2 µm PVDF	100	UN203APEAQU
MUP Amber, 0.2 µm PTFE	100	UN203APEORG
MUP Amber, 0.2 µm PES	100	UN203APEPES
MUP Amber, 0.45 µm PVDF	100	UN203APUAQU
MUP Amber, 0.45 µm PTFE	100	UN203APUORG
MUP Amber, 0.45 µm PES	100	UN203APUPES
MUP 6 Place Compressor	1	CR0000006

Also available in 1500 pack. Other membranes and pore sizes available. Also available with slit septum.
Contact information@whatman.com

The RAC II column combines a redesigned column configuration with proven Partisil™ media to accommodate high solvent flow rates, lower operating pressure, and high column efficiencies. The short 10 cm column offers significant economies of faster LC analyses and dramatically lower solvent consumption. In fact, up to 60% less sample and solvent need to be used compared to standard 4.6 mm ID x 25 cm analytical columns.

The RAC II columns connect easily to all modern LC instrumentation with convenient compression screw end fittings.

Reversed Phase Media

Partisil ODS-3 (5 and 10 μm)

A C-18 polymeric phase with a 10.5% carbon load. Medium of choice for improved speed, efficiency, and resolution in applications requiring C-18 phases. End-capped for deactivation of silanols to minimize the need for ion suppression or ion pairing agents. Used in a wide range of applications with optimal selectivity, including pharmaceuticals, natural products, food, biological, and environmental pollutants.

Partisil C-8 (5 and 10 μm)

An end-capped C-8 monomeric phase with at least 8.5% carbon load. Provides high efficiency and rapid mass transfer while maintaining excellent peak shape and stability over a range of aqueous mobile phase compositions. Recommended for ion pair chromatography.

Ion Exchange Media

Partisil SAX (5 and 10 μm)

A strong anion exchanger based on quaternary ammonium groups ($-NR_3^+$). Supplied in the $H_2PO_4^-$ form in methanol, Partisil 10 SAX has been widely reported in literature and is best known for the separation of nucleotides. Stable over pH range 1.5 to 7.5 when used in conjunction with a mobile phase conditioning column. Obtains the highest anion exchange efficiencies and resolution. Applicable to separations of nucleic acids, organic acids, and inorganic anions.



RAC II Columns

Partisil SCX (5 and 10 μm)

Based on aromatic benzene sulfonic acid groups. Supplied in the ammonium form. Excellent for separation of nucleosides, amino acids, polyamines, drugs, and other cationic species. Capable of being loaded with specific metallic cations for use in ligand exchange chromatography. Stable over pH range 1.5 to 7.0 when used in conjunction with a mobile phase conditioning column. Exceptionally stable Si-O-Si-C bond, both thermally and chemically.

A broader range of media and column formats is available please contact information@whatman.com or check www.whatman.com/chromatographyproducts.aspx.

Ordering Information

Product	Quantity	Code No.
RAC II with Partisil ODS-3, 4.6 x 100 mm	5	4222-225
RAC II with Partisil C-8, 4.6 x 100 mm	5	4222-232
RAC II with Partisil SAX, 4.6 x 100 mm	5	4222-227
RAC II with Partisil SCX, 4.6 x100 mm	5	4222-228

For further information, please visit
www.gelifesciences.com/whatman or contact
your regional representative.

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