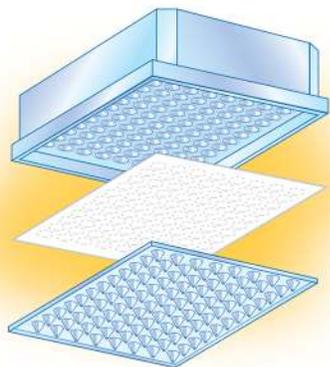


UNIFILTER® Filtration Microplates



The patented Whatman UNIFILTER microplates with filter-bottom wells are convenient and ready to use. Available in 24, 96 and 384 well formats, UNIFILTER microplates offer a choice of filter media to meet exact application requirements.

The unique drip director design of Whatman UNIFILTER microplates ensures precise collection of the filtrate to allow for further processing and analysis. UNIFILTER microplates are available in a range of well volumes from 100 µL to 10 mL.

Features and Benefits

- No crosstalk. Patented integral filter design prevents well-to-well cross contamination
- Economical to use. Wide range of well volume options ensures efficient use of materials
- Better control. Choice of filter media allows control of the flow rates and retention characteristics
- Versatile. A broad range of filtration media is available including glass fiber, polypropylene, cellulose nitrate, cellulose acetate, nylon and ion exchange cellulose

Typical Data

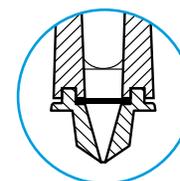
Filter Media	Flow Rate*	Protein Binding	Hydrophilic	Solvent Resistance	Physical Strength	Thermal Resistance °C	General Comments
Cellulose Nitrate (CN)	4	High	Yes	Poor	Brittle	<125	Highly adsorptive membrane (CN) typically used for DNA/RNA/protein hybridization, also for ELISA and RIA-based assays.
Cellulose Acetate (CA)	3	Low	Yes	Poor	Moderate	<120	Typically used for low protein binding applications, good wet strength. General purpose microbiological filter.
Polypropylene (PP)	2	Negligible	No	Very Good	Good	<80	Typically used for prefiltration. Sensitive to gamma sterilization. Very low extractables, chemically inert.
Polyvinylidene fluoride (PVDF) Hydrophilic**	4	Low	Yes	Good	Good	<135	Low protein binding, good chemical resistance.
Glass Microfiber (GF)	5	Moderate	Yes	Very Good	Poor	High	Wide range available. Typically used as absorptive or adsorptive wicking media and prefilters. Excellent particle retention and resistance to clogging. Used for DNA binding.

* Flow rate: 1=low, 5=high.

** Hydrophobic variants available for high protein binding.

384 Well 100 µL UNIFILTER® Microplate

The 100 µL UNIFILTER is the only 384 well filter microplate with a 100 µL well volume to allow a large enough sample for recovery after filtration.

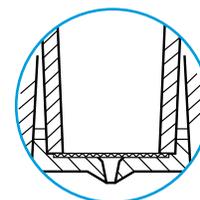


Ordering Information

384 Well 100 µL UNIFILTER® Microplate						
Catalog Number	Well Format	Well Volume (µL)	Plate Material	Drip Director	Filter Media	Quantity/Case
7700-1101	384	100	Clear Polystyrene	Long	Whatman GF/C	50
7700-1102	384	100	Clear Polystyrene	Long	Whatman hydrophobic GF/C	50
7700-2106	384	100	Clear Polystyrene	Long	0.45 µm hydrophilic PVDF	50
7700-2110	384	100	Clear Polystyrene	Long	DNA Binding	50
7700-2117	384	100	Clear Polystyrene	Long	10 µm melt blown polypropylene	50

96 Well 350 μ L UNIFILTER® Microplate

The 350 μ L UNIFILTER is the plate of choice for filter-based HTS assays. It is available in opaque white polystyrene for efficient use with liquid scintillation and chemiluminescence detection. The dimensions are compatible with most microplate readers for screening procedures. Also available in clear polystyrene.



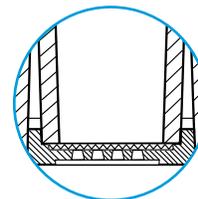
Ordering Information

96 Well 350 μ L UNIFILTER® Microplate						
Catalog Number	Well Format	Well Volume (μ L)	Plate Material	Drip Director	Filter Media	Quantity/Case
7700-3301	96	350	White Polystyrene	Short	Whatman GF/C	50
7700-3302	96	350	White Polystyrene	Short	Whatman hydrophobic GF/C	50
7700-3303	96	350	White Polystyrene	Short	Whatman GF/B	50
7700-3304	96	350	White Polystyrene	Short	25–30 μ m melt blown polypropylene	50
7700-3305	96	350	White Polystyrene	Short	0.45 μ m PP membrane	50
7700-3356	96	350	White Polystyrene	Short	0.45 μ m hydrophobic PVDF	50
7700-3306	96	350	White Polystyrene	Short	0.45 μ m hydrophilic PVDF	50
7700-3307	96	350	White Polystyrene	Short	0.45 μ m Cellulose Nitrate	50
7700-3308	96	350	White Polystyrene	Short	0.45 μ m Cellulose Acetate	50
7700-3310	96	350	White Polystyrene	Short	Whatman GF/F	50
7770-0001	96	350	White Polystyrene	Short	0.45 μ m PVDF (phobic) and 0.45 μ m PP	50
7770-0006*	96	350	White Polystyrene	Short	0.45 μ m PVDF (phobic) and 0.45 μ m PP irradiated with lid	50
7700-3312	96	350	White Polystyrene	Short	Whatman P81	50
7700-1301	96	350	Clear Polystyrene	Short	Whatman GF/C	50
7700-1303	96	350	Clear Polystyrene	Short	Whatman GF/B	50
7700-1305	96	350	Clear Polystyrene	Short	0.45 μ m PP membrane	50
7700-1356	96	350	Clear Polystyrene	Short	0.45 μ m hydrophobic PVDF	50
7700-1306	96	350	Clear Polystyrene	Short	0.45 μ m hydrophilic PVDF	50
7700-1308	96	350	Clear Polystyrene	Short	0.45 μ m Cellulose Acetate	50

* Recommended for ELISPOT assays.

96 Well UNIFILTER® Microplate: Mesh Bottom

Mesh bottom UNIFILTER plates with 150 and 350 µL wells are designed to accommodate rapid flow rates when vacuuming solutions to waste.



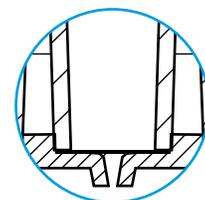
Ordering Information

96 Well UNIFILTER® Microplate: Mesh Bottom						
Catalog Number	Well Format	Well Volume (µL)	Plate Material	Drip Director	Filter Media	Quantity/Case
7700-0512	96	150	White Barex	Mesh	Whatman P81	50
7700-4301	96	350	White Polystyrene	Mesh	Whatman GF/C	50
7700-4302	96	350	White Polystyrene	Mesh	Whatman hydrophobic GF/C	50
7700-4303	96	350	White Polystyrene	Mesh	Whatman GF/B	50
7700-4312	96	350	White Polystyrene	Mesh	Whatman P81	50
7700-4313	96	350	White Polystyrene	Mesh	Whatman DE81	50

96 Well 800 µL UNIFILTER® Microplate

The 800 µL UNIFILTER is the microplate most typically used in purification, isolation and separation of biomolecules, particularly DNA. The microplate has a well volume of 800 µL which is ideal for standard DNA plasmid miniprep chemistries.

The choice of short or long drip directors is application specific. The UNIFILTER 800 µL is constructed from rigid high-grade polystyrene.

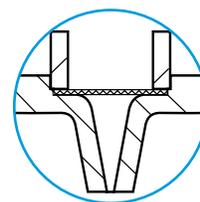


Ordering Information

96 Well 800 µL UNIFILTER® Microplate						
Catalog Number	Well Format	Well Volume (µL)	Plate Material	Drip Director	Filter Media	Quantity/Case
7700-1801	96	800	Clear Polystyrene	Short	Whatman GF/C	25
7700-1804	96	800	Clear Polystyrene	Short	25–30 µm melt blown polypropylene	25
7700-1806	96	800	Clear Polystyrene	Short	0.45 µm hydrophilic PVDF	25
7700-1808	96	800	Clear Polystyrene	Short	0.45 µm Cellulose Acetate	25
7700-1818	96	800	Clear Polystyrene	Short	5–7 µm melt blown polypropylene	25
7700-2801	96	800	Clear Polystyrene	Long	Whatman GF/C	25
7700-2803	96	800	Clear Polystyrene	Long	Whatman GF/B	25
7700-2804	96	800	Clear Polystyrene	Long	25–30 µm melt blown polypropylene	25
7700-2805	96	800	Clear Polystyrene	Long	0.45 µm PP membrane	25
7700-2806	96	800	Clear Polystyrene	Long	0.45 µm hydrophilic PVDF	25
7700-2808	96	800	Clear Polystyrene	Long	0.45 µm Cellulose Acetate	25
7700-2809	96	800	Clear Polystyrene	Long	0.45 µm Nylon Positive	25
7700-2810	96	800	Clear Polystyrene	Long	DNA binding plate	25
7700-2811	96	800	Clear Polystyrene	Long	Whatman GF/D	25
7700-2817	96	800	Clear Polystyrene	Long	10–12 µm melt blown polypropylene	25
7720-2830	96	800	Clear Polystyrene	Long	Lysate clarification plate	25
7700-2828	96	800	Clear Polystyrene	Long	Whatman oleophobic PKP	10
7770-0062	96	800	Clear Polystyrene	Long	25 µm melt blown polypropylene over 0.45 µm PP membrane	25

96 Well 2 mL UNIFILTER® Microplate

The 2 mL UNIFILTER microplate is widely used for applications that require larger sample or reagent volumes. Typically these applications include biomolecule purification by solid phase extraction and organic synthesis in combinatorial chemistry library generation. The glass-filled polypropylene construction of the 2 mL UNIFILTER microplate enables chemical- and heat-resistant operation. The long drip directors facilitate collection of filtrate with no crosstalk.

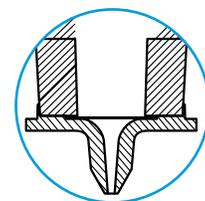


Ordering Information

96 Well 2 mL UNIFILTER® Microplate						
Catalog Number	Well Format	Well Volume (mL)	Plate Material	Drip Director	Filter Media	Quantity/Case
7700-7201	96	2	Glass Filled Polypropylene	Long	Whatman GF/C	25
7700-7202	96	2	Glass Filled Polypropylene	Long	Whatman hydrophobic GF/C	25
7700-7203	96	2	Glass Filled Polypropylene	Long	Whatman GF/B	25
7700-7204	96	2	Glass Filled Polypropylene	Long	25–30 µm melt blown polypropylene	25
7700-7206	96	2	Glass Filled Polypropylene	Long	0.45 µm hydrophilic PVDF	25
7700-7210	96	2	Glass Filled Polypropylene	Long	Whatman GF/F	25
7700-7211	96	2	Glass Filled Polypropylene	Long	Whatman GF/D	25
7700-7224	96	2	Glass Filled Polypropylene	Long	10 µm PP membrane	25
7700-7228	96	2	Glass Filled Polypropylene	Long	Whatman oleophobic PKP	10
7720-7229-01	96	2	Glass Filled Polypropylene	Long	Phase Separation	1
7720-7235	96	2	Glass Filled Polypropylene	Long	Protein Precipitation	1
7720-7236	96	2	Glass Filled Polypropylene	Long	FF Protein Precipitation	5

24 Well 10 mL UNIFILTER® Microplate

The sample volume advantages of the 2 mL UNIFILTER Microplates are carried to a still higher level by these 24 well 10 mL UNIFILTERs.



Ordering Information

24 Well 10 mL UNIFILTER® Microplate						
Catalog Number	Well Format	Well Volume (mL)	Plate Material	Drip Director	Filter Media	Quantity/Case
7700-9901	24	10	Natural Polypropylene	Long	Whatman GF/C	25
7700-9904	24	10	Natural Polypropylene	Long	25–30 µm melt blown polypropylene	25
7700-9917	24	10	Natural Polypropylene	Long	10–12 µm melt blown polypropylene	25

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