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Lab recharge 2019

Filtration solutions for applied markets

Industrial

Food and beverage

Agriculture

Environmental

Collection **Preparation** **Incubation** **Analysis**

Distributor
GE Healthcare

GBP

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NEW

Whatman™ filtration guide

*Download your copy **here** today*

Filtration workflow simplified

Product index

Fisher part no.	GE part no.	Description	Pack size	Price* (£)	Industrial			
					Collection	Sample prep	Incubation	Analysis
15813597	9912-1302	Whatman Uniflo™ 13 mm 0.2 µm PES	500/pk	528.00		•		
15823597	9912-1304	Whatman Uniflo 13 mm 0.45 µm PES	500/pk	528.00		•		
15813587	9909-2502	Whatman Uniflo 25 mm 0.22 µm PVDF	500/pk	494.35		•		
15823587	9909-2504	Whatman Uniflo 25 mm 0.45 µm PVDF	500/pk	494.35		•		
15893587	9911-2502	Whatman Uniflo 25 mm 0.2 µm PTFE	500/pk	496.80		•		
15803597	9911-2504	Whatman Uniflo 25 mm 0.45 µm PTFE	500/pk	496.80		•		
15833597	9912-2502	Whatman Uniflo 25 mm 0.2 µm PES	500/pk	494.35		•		
15843597	9912-2504	Whatman Uniflo 25 mm 0.45 µm PES	500/pk	496.80		•		
15863567	9913-2502 NEW	Whatman Uniflo 25 mm 0.22 µm PVDF sterile	45/pk	94.34		•		
15873567	9913-2504 NEW	Whatman Uniflo 25 mm 0.45 µm PVDF sterile	45/pk	94.34		•		
15883567	9914-2502 NEW	Whatman Uniflo 25 mm 0.2 µm PES sterile	45/pk	93.81		•		
15893567	9914-2504 NEW	Whatman Uniflo 25 mm 0.45 µm PES sterile	45/pk	94.34		•		
15803577	9915-2502 NEW	Whatman Uniflo 25 mm 0.2 µm PES sterile	200/pk	420.00		•		
15813577	9915-2504 NEW	Whatman Uniflo 25 mm 0.45 µm PES sterile	200/pk	420.00		•		
15823577	9916-1302 NEW	Whatman Uniflo 13 mm 0.2 µm PES sterile	100/pk	209.60		•		
15833577	9916-1304 NEW	Whatman Uniflo 13 mm 0.45 µm PES Sterile	100/pk	209.60		•		
11384774	6876-2502	Whatman GD/X™ 25 mm 0.2 µm PES	150/pk	342.62		•		
11394774	6876-2504	Whatman GD/X 25 mm 0.45 µm PES	150/pk	345.88		•		
10723837	28932245	Vivaspin™ 2, 5 kDa MWCO PES	25/pk	124.00		•		
10269714	28932258	Vivaspin 2, 100 kDa MWCO PES	25/pk	124.00		•		
10116914	28932294	Vivaspin 6, 5 kDa MWCO PES	25/pk	163.00		•		
10229624	28932319	Vivaspin 6, 100 kDa MWCO PES	25/pk	163.00		•		
10219484	28932358	Vivaspin 20, 3 kDa MWCO PES	12/pk	118.00		•		
10646375	28932359	Vivaspin 20, 5 kDa MWCO PES	12/pk	118.00		•		
10015804	28932360	Vivaspin 20, 10 kDa MWCO PES	12/pk	118.00		•		
10656375	28932361	Vivaspin 20, 30 kDa MWCO PES	12/pk	118.00		•		
10239294	28932362	Vivaspin 20, 50 kDa MWCO PES	12/pk	118.00		•		
10774797	28932363	Vivaspin 20, 100 kDa MWCO PES	12/pk	118.00		•		
11308754	UN203NPERC	Mini-UniPrep™ 0.2 µm RC	100/pk	166.42		•		•
11305124	UN203NPURC	Mini-UniPrep 0.45 µm RC	100/pk	166.42		•		•
11358744	UN203NPUGMF	Mini-UniPrep 0.45 µm GMF	100/pk	166.42		•		•
11398724	UN203APEPES	Mini-UniPrep Amber 0.2 µm PES	100/pk	172.00		•		•
11358734	UN203APUORG	Mini-UniPrep Amber 0.45 µm PTFE	100/pk	182.73		•		•
10087552	6722-5001	VACU-GUARD 60 mm 0.45 µm PTFE	10/pk	127.26				•
15853704	2822-047 NEW	GF/C™ pre-rinsed and dried, 47 mm	100/pk	60.19				•
15803714	3822-047 NEW	GF/C RTU, pre-weighed, 47 mm	100/pk	75.23				•
15813714	3822-070	GF/C RTU, pre-weighed, 70 mm	100/pk	82.88				•
15823714	3822-090	GF/C RTU, pre-weighed, 90 mm	100/pk	116.03				•
11393115	10313032	Grade 609 Kjeldahl Analysis Weighing Boat 55 × 10 × 10 mm	100/pk	73.98	•			•
11380674	2600-201A	Litmus paper blue 7 mm × 5 m	1 roll	11.35		•		•

Environmental				Food and beverage				Agriculture			
Collection	Sample prep	Incubation	Analysis	Collection	Sample prep	Incubation	Analysis	Collection	Sample prep	Incubation	Analysis
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Product index

Fisher part no.	GE part no.	Description	Pack size	Price* (£)	Industrial			
					Collection	Sample prep	Incubation	Analysis
11300674	2300-916	Benchkote™ sheet 46 × 57 cm	50/pk	75.11		•		
11360654	2105-841	Grade 105 Lens Cleaning Tissue 10 × 15 cm	25 × 25/pk	93.48		•		
11359124	2710	Polycap HD 75 0.45 µm	5/pk	261.00		•		
11359114	2813	Polycap HD 150 10 µm	5/pk	322.00		•		
10527111	6705-3602	Polycap AS 36 0.2 µm sterile	1/pk	39.98		•		
11385394	10410312	RC58 Membrane 0.2 µm 47 mm	100/pk	195.00		•		
11365394	10410212	RC55 Membrane 0.45 µm 47 mm	100/pk	195.00		•		
11879624	AV115NPEORG	Autovial™ 5 0.2 µm PTFE	50/pk	106.49		•		
11383185	AV115NPUORG	Autovial 5 0.45 µm PTFE	50/pk	106.46		•		
11969394	AV125EAQU	Autovial 12 0.2 µm PVDF	50/pk	166.42		•		
11984436	AV125NPUAQU	Autovial 12 0.45 µm PVDF	50/pk	168.00		•		
11939005	6888-2502	Whatman GD/X 25 0.2 µm RC	1500/pk	2016.56		•		•
11330334	6883-2504	Whatman GD/X 25 0.45 µm RC	1500/pk	2034.51		•		•
10706279	6882-2504	Whatman GD/X 25 0.45 µm RC	150/pk	409.51		•		•
11353305	6794-2502	Puradisc 25 0.2 µm PES	1000/pk	857.36		•		•
11383325	6794-2504	Puradisc 25 0.45 µm PES	1000/pk	857.36		•		•
11399214	6768-1302	Puradisc 13 0.2 µm NYL	2000/pk	1626.63		•		•
11369224	6768-1304	Puradisc 13 0.45 µm NYL	2000/pk	1636.00		•		•
11333305	6753-2502	Puradisc 25 0.2 µm NYL	1000/pk	1006.65		•		•
11323315	6753-2504	Puradisc 25 0.45 µm NYL	1000/pk	1014.81		•		•
11373155	10462655	Puradisc AQUA 30 mm 0.45 µm CA	100/pk	197.41		•		•
10004660	10463052	SPARTAN™ 30 mm 0.45 µm RC	500/pk	753.00		•		•
11395114	UN503NPERC	Mini-UniPrep 0.2 µm RC	1000/pk	1510.00		•		•
11315124	UN503NPURC	Mini-UniPrep 0.45 µm RC	1000/pk	1510.00		•		•
11314844	7182-009	Cellulose Nitrate membrane 90 mm 0.2 µm	100/pk	108.53		•		•
11364844	7184-004	Cellulose Nitrate membrane 47 mm 0.45 µm	100/pk	121.36		•		•
10012161	7402-004	Nylon membrane 47 mm 0.2 µm	100/pk	139.54		•		•
11324874	7404-009	Nylon membrane 90 mm 0.45 µm	50/pk	159.00		•		•
10062071	110605	Nuclepore™ PC membrane 25 mm 0.1 µm	100/pk	89.87	•			
11352895	111107	Nuclepore PC membrane 47 mm 0.4 µm	100/pk	93.44	•			
11313445	10411211	TE37 membrane 47 mm 1.0 µm	50/pk	218.00	•	•		
11373445	10411116	TE38 membrane 90 mm 5.0 µm	25/pk	379.00	•			
11374814	7060-2502	Cyclopore™ PC 25 mm 0.2 µm	100/pk	55.83				•
11324824	7060-4704	Cyclopore PC 47 mm 0.4 µm	100/pk	108.53				•
11350484	1005-047	Grade 5 filter 47 mm	100/pk	7.40		•		
11302835	1002-150	Grade 2 filter 150 mm	100/pk	19.52	•			
10211891	1202-240	Grade 2V folded filter 240 mm	100/pk	57.97	•			
11360584	1822-047	GF/C glass microfibre filter 47 mm	100/pk	45.05				•
11300594	1822-090	GF/C glass microfibre filter 90 mm	100/pk	84.85				•
11318924	10342583	Seed testing paper yellow 110 × 170 mm	100/pk	26.92	•			
11390714	2814-199	Glass thimbles HP 19 × 90 mm	25/pk	176.81	•			
11310824	10350240	Grade 603 standard cellulose extraction thimble 33 × 80 mm, thickness 1.5 mm	25/pk	62.37	•			

*For more information please visit **eu.fishersci.com***

Environmental				Food and beverage				Agriculture			
Collection	Sample prep	Incubation	Analysis	Collection	Sample prep	Incubation	Analysis	Collection	Sample prep	Incubation	Analysis
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Industrial

Applications

- Emissions testing
- Ignition testing
- Bioethanol production
- Gravimetric testing
- Asbestos testing
- Analytical testing

Whatman PTFE membrane filters–TE range

Whatman PTFE membrane filters from GE Healthcare Life Sciences are chemically stable and inert, making them suitable for use with aggressive organic solvents, strong acids, and alkalis.

- The TE range features polypropylene support material for improved strength and handling.
- Temperature resistant up to 120°C.
- Can withstand aggressive solvents, liquids, and gases that damage other membranes.

Polycap HD (heavy duty) capsule filter

Polycap HD capsule filter offers a broad range of particle size retention ratings and excellent filtrate purity with polypropylene filters (PP).

- Polypropylene filters support use with a broad range of solutions, pH solutions, and temperatures.
- Sturdy construction leads to high flow and high retention capacity.
- Can be autoclaved with steam at 121°C for 20 min.
- Manual vent with luer lock to bleed air from upstream or serve as an injection or sample port.

Whatman Nuclepore and Cyclopore polycarbonate track-etched membranes

GE's Nuclepore and Cyclopore track-etched hydrophilic membrane filters offer a highly defined pore size cutoff in the sub-micron range, enabling particle deformity measurement and capture of extremely small particles.

For more information please visit ***eu.fishersci.com***

Industrial filtration requires accurate and reliable analytical results. GE knows that you depend on us to make sure your filtration step is efficient, reproducible, and preserves the integrity of your sample. Leave the filtration to us. We understand that quality matters.

Collection

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Grade 609 Kjeldahl analysis weighing boat 55 × 10 × 10 mm	11393115	10313032	100	73.98
Benchkote sheets 46 × 57 cm	11300674	2300-916	50	75.11
Grade 2 filter 150 mm	11302835	1002-150	100	19.52
Grade 2V folded filter 240 mm	10211891	1202-240	100	57.97

Sample prep

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Polycap HD 75 0.45 µm	11359124	2710	5	261.00
Polycap HD 150 10 µm	11359114	2813	5	322.00
Whatman GD/X 25 0.2 µm RC	11939005	6888-2502	1500	2016.56
Puradisc 25 0.2 µm PES	11353305	6794-2502	1000	857.36
Whatman Uniflo 25 mm 0.45 µm PVDF	15823587	9909-2504	500	494.35

Analysis

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Nuclepore PC 25 mm 0.1 µm	10062071	110605	100	89.87
Nuclepore PC 47 mm 0.4 µm	11352895	111107	100	93.44
Cyclopore PC 25 mm 0.2 µm	11374814	7060-2502	100	55.83
Cyclopore PC 47 mm 0.4 µm	11324824	7060-4704	100	108.53

For a complete list of products for this market application, see the Product Index pages: 4-7

Whatman: over 250 years of history

*Click **here** to watch the video.*

*For more information please visit **eu.fishersci.com***

Environmental

Applications

- Water monitoring
- Soil testing
- Air monitoring
- General analysis

Whatman high-purity glass and cellulose Soxhlet extraction thimbles

GE's Whatman 100% borosilicate glass microfibre (HP-GF) thimbles are designed to fit most Soxhlet extraction units. They are well-suited to pollution monitoring when analysis of hot and acidic gases is required. Extraction thimbles made from high-quality cellulose are also available in a range of sizes.

New Uniflo sterile syringe filter

Whatman Uniflo syringe filters

Whatman Uniflo syringe filters are disposable filter units designed to provide clean filtrate from small volumes up to 100 mL.

- 13 or 25 mm diameters.
- 0.2 µm, 0.22 µm or 0.45 µm pore sizes.
- Sterile or non-sterile options.

New products

Whatman Grade GF/C RTU glass microfibre filters, Ready-to-Use

Whatman Grade GF/C ready-to-use (RTU) filters are the time-saving version of GE's GF/C filters, which are widely used for total suspended solids analysis.

- GF/C RTU for suspended and dissolved solids.

For more information please visit ***eu.fishersci.com***

Accurate and reliable analytical results are important when monitoring air, water, and soil. GE knows that you depend on us to make sure your filtration step is efficient, reproducible, and preserves the integrity of your sample. Whether you are using one of our glass papers, syringe filters, or other Whatman products, you can count on GE to understand that quality matters.

Collection

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Grade 609 Kjeldahl analysis weighing boat 55 × 10 × 10 mm	11393115	10313032	100	73.98
Grade 603 standard cellulose extraction thimble 33 × 80 mm, thickness 1.5 mm	11310824	10350240	25	62.37

Sample prep

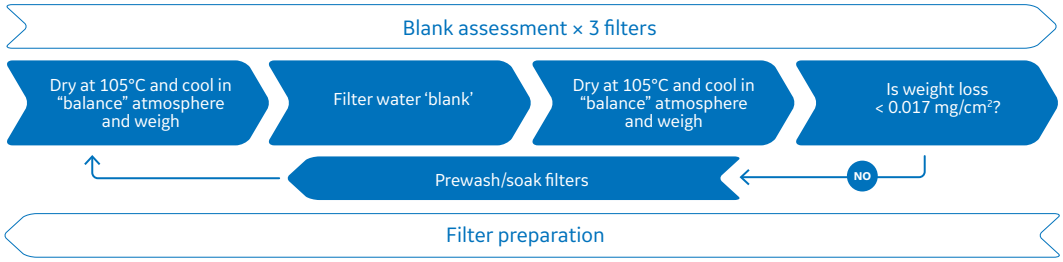
Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Whatman Uniflo 25 mm 0.2 µm PES	15833597	9912-2502	500	494.35
Whatman Uniflo 25 mm 0.45 µm PES	15843597	9912-2504	500	496.80
Puradisc AQUA 30 mm 0.45 µm CA	11373155	10462655	100	197.41
Whatman GD/X 25 0.45 µm RC	10706279	6882-2504	150	409.51

Analysis

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
GF/C pre-rinsed and dried 47 mm	15853704	2822-047 *NEW*	100	60.19
GF/C RTU pre-weighed 47 mm	15803714	3822-047 *NEW*	100	75.23
GF/C RTU pre-weighed 70 mm	15813714	3822-070	100	82.88
GF/C RTU, pre-weighed 90 mm	15823714	3822-090	100	116.03
GF/C glass microfibre filter 47 mm	11360584	1822-047	100	45.05
GF/C glass microfibre filter 90 mm	11300594	1822-090	100	84.85

For a complete list of products for this market application, see the Product Index pages: 4-7

NEW glass fibre RTU line of products for wastewater suspended solids testing



	GF/C™ RTU	934-AH™ RTU for Suspended and Dissolved Solids	934-AH RTU for Volatiles	934-AH RTU Double Weigh
Pre-washed, dried, cooled, and weighed	•	•	•	•
Barcoded aluminium pans to download filter weight	•	•	•	•
Box barcoded to download weights of all filters contained	•	•	•	•
Pre-fired at 550°C			•	
Drying and weighing steps repeated and documented twice to conform to process in US EPA Lab Standard Method 2540 parts C and D				•
Certified filter mass loss the lesser of 0.5 mg or 4% after Standard Method 2540 parts C and D preparatory workflow		•	•	•
Certified mass loss of less than 0.017 mg/cm² after EN 872 preparatory workflow	•			
Economy option available (washed and dried without weighing or barcoding)	•	•	•	

Food and beverage

Applications

- Fat and protein analysis
- Moisture testing
- Gravimetric analysis
- Trace elements analysis
- Microbiology testing

Whatman Kjeldahl analysis weighing boat

GE's Whatman parchment weigh boats are designed so users can collect, transfer, and drop both the sample and weighing boat into the acid solution during a Kjeldahl analysis without influencing analytical results.

Whatman GD/X 25 mm sterile syringe filter

GE's Whatman GD/X sterile syringe filter is designed to support filtration of viscous, hard-to-filter samples with high solids content.

Acid-alkali pH indicator paper

Blue and red litmus paper and phenophthalein strips are mixed-indicator tests designed for fast, accurate, and reliable pH solution testing.

- Instant pH readings.
- Mixed-indicator.
- Accurate for a wide range of routine pH testing.
- Convenient and portable for field use.
- Choice of blue and red litmus paper or phenophthalein strips.
- Color change in pH solutions ranging from approximately 5 to 8.

Microbiology membranes

GE provides a broad range of high-quality products for microbiological quality control in food and beverage testing. Our products help you ensure that every person who eats or drinks your products is getting the highest quality and safest ingredients.

*Click **here** for further details on our range of microbiology membranes.*

*For more information please visit **eu.fishersci.com***

Resources for quality control testing in food and beverage manufacturing industry

Collection

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Grade 609 Kjeldahl analysis weighing boat 55 × 10 × 10 mm	11393115	10313032	100	73.98
Benchkote sheets 46 × 57 cm	11300674	2300-916	50	75.11

Sample prep

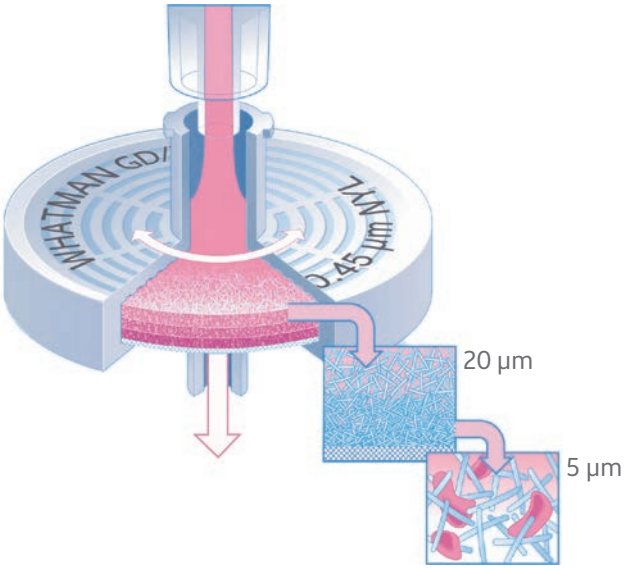
Description	Fisher part no.	GE part no.	Pack size	Price* (£)
GD/X 25 mm 0.2 µm PES	11384774	6876-2502	150	342.62
GD/X 25 mm 0.45 µm PES	11394774	6876-2504	150	345.88
SPARTAN 30 mm 0.45 µm RC	10004660	10463052	500	753.00

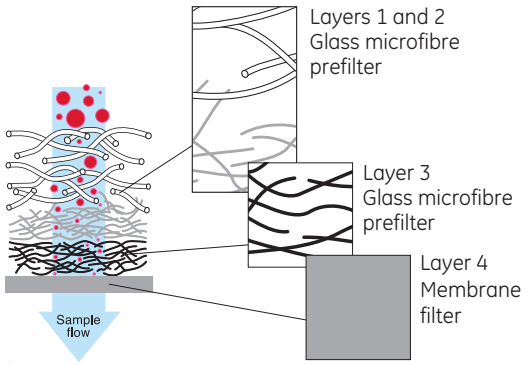
Analysis

Description	Fisher part no.	GE part no.	Pack size	Price* (£)
Litmus paper blue 7 mm × 5 m	11380674	2600-201A	1/roll	11.35
Grade 609 Kjeldahl analysis weighing boat 55 × 10 × 10 mm	11393115	10313032	100	73.98

For a complete list of products for this market application, see the Product Index pages: 4-7

Whatman GD/X syringe filter for difficult-to-filter samples





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Agriculture

Applications

- Soil testing
- Germination analysis
- Seed testing
- Pesticide testing

Grade 5 qualitative filter paper

A standard grade clarifying filter excellent for cloudy suspensions and for water and soil analysis.

These cellulose filters are used in qualitative analytical techniques to determine and identify materials. Prepleated qualitative filters are also available, which give improved flow rate and increased loading capacity compared to equivalent flat filters.

Whatman Mini-UniPrep syringeless filter

GE's Whatman Mini-UniPrep syringeless filters integrate an autosampler vial, filtration membrane, plunger, and cap/septa into one consumable product. They are built for fast and easy HPLC/UHPLC sample preparation.

- All-in-one filtration device for quick and cost-effective sample processing.
- Eliminates the need for separate syringes, syringe membrane filters, vials, and septa.

For more information please visit ***eu.fishersci.com***

Resources for quality control testing or the agricultural industry

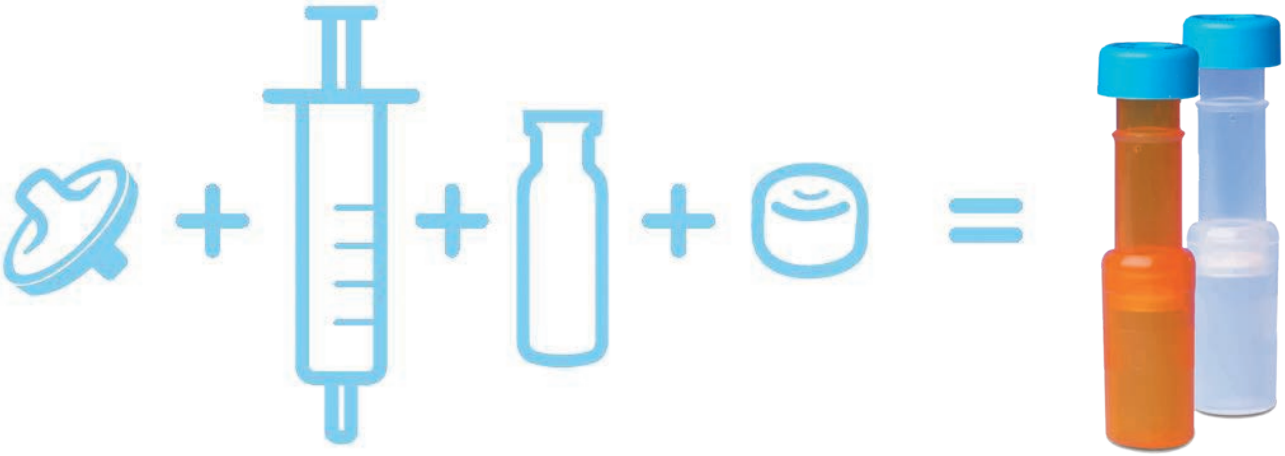
Collection				
Description	**Fisher part no.**	**GE part no.**	**Pack size**	**Price* (£)**
Grade 5 qualitative filter 47 mm	11350484	1005-047	100	7.40
Seed testing paper yellow 110 x 170 mm	11318924	10342583	100	26.92

Sample prep				
Description	**Fisher part no.**	**GE part no.**	**Pack size**	**Price* (£)**
Mini-UniPrep Amber 0.2 µm PES	11398724	UN203APEPES	100	172.00
Mini-UniPrep 0.2 µm RC	11308754	UN203NPERC	100	166.42

Analysis				
Description	**Fisher part no.**	**GE part no.**	**Pack size**	**Price* (£)**
GF/C RTU pre-weighed, 47 mm	15803714	3822-047 NEW	100	75.23

For a complete list of products for this market application, see the Product Index pages: 4-7

Mini-UniPrep syringeless filter



Mini-UniPrep filter vial replaces syringe filter, syringe, autosampler vial, cap, and septum.

Chemical compatibility of membranes and housings

Selecting the right filter depends on the solvent that you are using for your application. This table will help you get it right the first time.

Solvent	ANP	CA	CN	PC	PE	GMF	NYL	PP	DpPP	PES	PTFE**	PVDF	RC
Acetic acid, 5%	R	LR	R	R		R	R	R	R	R	R	R	R
Acetic acid, glacial	R	NR	NR			R	LR	R	R	R	R	R	NR
Acetone	R	NR	NR	NR	R	R	R	R	R	NR	R	NR	R
Acetonitrile	R	NR	NR			R	R	R	R	NR	R	R	R
Ammonia, 6N	NR		NR	NR	LR	LR	R	R	R	R	R	LR	LR
Amyl acetate	LR	NR	NR	NR	R	R	R	R	R	LR	R	LR	R
Amyl alcohol	R	LR	LR			R	R	R	R	NR	R	R	R
Benzene*	R	R	R	NR	R	R	LR	NR	NR	R	R	R	R
Benzyl alcohol*	R	LR	LR	LR	R	R	LR	R	R	NR	R	R	R
Boric acid	R	R	R	R	R	R	LR	R	R		R	R	R
Butyl alcohol	R	R	R	R	R	R	R	R	R	R	R	R	R
Butyl chloride*						R	NR	NR	NR		R	R	
Carbon tetrachloride*	R	NR	R	LR	R	R	LR	NR	NR	NR	R	R	R
Chloroform*	R	NR	R	NR	R	R	NR	LR	LR	NR	R	R	R
Chlorobenzene*	R		LR	NR		R	NR	LR		NR	R	R	R
Citric acid						R	LR	R		R	R	R	R
Cresol*		NR	R			R	NR	NR	NR	NR	R	NR	R
Cyclohexanone	R	NR	NR			R	NR	R	R	NR	R	R	R
Cyclohexane*	R	NR	NR	R	R	R	NR	NR	NR	NR	R	R	R
Diethyl acetamide		NR	NR			R	R	R	R		R	NR	R
Dimethyl formamide	LR	NR	NR			R	R	R	R	NR	R	NR	LR
Dioxane	R	NR	NR	NR	R	R	R	R	R	LR	R	LR	R
DMSO	LR	NR	NR	NR	R	R	R	R	R	NR	R	LR	LR
Ethanol	R	R	NR	R	R	R	R	R	R	R	R	R	R
Ethers*	R	LR	LR	R	R	R	R	NR	NR	R	R	LR	R
Ethyl acetate	R	NR	NR	NR	R	R	R	R	R	NR	R	NR	R
Ethylene glycol	R	LR	LR	R	R	R	R	R	R	R	R	R	R
Formaldehyde	LR	LR	R	R	R	R	R	LR	LR	R	R	R	LR
Freon TF*	R	R	R	R	R	R	NR	NR	NR	R	R	R	

Solvent	ANP	CA	CN	PC	PE	GMF	NYL	PP	DpPP	PES	PTFE**	PVDF	RC
Formic acid		LR	LR			R	NR	R	R	R	R	R	LR
Hexane	R	R	R	R	R	R	R	R	R	R	R	R	R
Hydrochloric acid, conc*	NR	NR	NR	NR	NR	R	NR	LR	LR	R	R	R	NR
Hydrofluoric acid*		NR	NR			NR	NR	LR	LR		R	R	NR
Isobutyl alcohol	R	LR	LR	R	R	R	R	R	R		R	R	R
Isopropyl alcohol	R	R	LR			R	R	R	R		R	R	R
Methanol	R	R	NR	R	R	R	R	R	R	R	R	R	R
Methyl ethyl ketone	R	LR	NR	NR	R	R	R	R	R	NR	R	NR	R
Methylene chloride*	R	NR	LR			R	NR	LR	LR	NR	R	R	R
Nitric acid, conc*		NR	NR	LR	NR	R	NR	NR	NR	NR	R	R	NR
Nitric acid, 6N*		LR	LR			R	NR	LR	LR	LR	R	R	LR
Nitrobenzene*	LR	NR	NR	NR	R	R	LR	R	R	NR	R	R	R
Pentane*	R	R	R	R	R	R	R	NR	NR	R	R	R	R
Perchloro ethylene*	R	R	R			R	LR	NR	NR	NR	R	R	R
Phenol 0.5%	LR	LR	R			R	NR	R	R	NR	R	R	R
Pyridine	R	NR	NR	NR	R	R	LR	R	R	NR	R	NR	R
Sodium hydroxide, 6N	NR	NR	NR	NR	NR	NR	LR	R	R	R	R	NR	NR
Sulfuric acid, conc*	NR	NR	NR	NR	NR	R	NR	NR	NR	NR	R	NR	NR
Tetrahydrofuran*	R	NR	NR			R	R	LR	LR	NR	R	R	R
Toluene*	R	LR	R	NR	R	R	LR	LR	LR	NR	R	R	R
Trichloroethane*	R	NR	LR	NR	R	R	LR	LR	LR	NR	R	R	R
Trichloroethylene*	R		R			R	NR	LR	LR	NR	R	R	R
Water	R	R	R	R	R	R	R	R	R	R	R	R	R
Xylene*	R	R	R			R	LR	LR	LR	LR	R	R	R

R = Resistant; LR = Limited Resistance;
NR = Not Recommended
** Short-term resistance of housing*
The above data is to be used as a guide only.
Testing prior to application is recommended.
*** Membrane may need pre-wetting with isopropanol/methanol if filtering a polar liquid*

Material abbreviations:
ANP – Anopore™
CA – Cellulose Acetate
CN – Cellulose Nitrate
DpPP – Polypropylene Depth Filter
GMF – Glass Microfiber
NYL – Nylon
PC – Polycarbonate
PE – Polyester
PES – Polyethersulfone
PP – Polypropylene
PTFE – Polytetrafluoroethylene
PVDF – Polyvinylidene Difluoride
RC – Regenerated Cellulose

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Guide to laboratory filtration

Filtration devices for small volume sample preparation

Select the optimal Whatman filter for your application

Step 1: Choose application
Step 2: Choose appropriate filter

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Applications

1. Air venting
2. Automated filtration of samples/ Tablet dissolution testing
3. Biological sample preparation
4. Capillary electrophoresis
5. Difficult to filter samples (high solid content samples)
6. Filtration of colloidal material
7. HPLC/UHPLC sample preparation
8. Ion-chromatography
9. Filtration of protein containing samples
10. Filtration of nano particles
11. Sterile filtration (use sterile filter and membrane with pore size 0.2 µm)
12. COD/TOC/DOC
13. Trace metal analysis (ICP/AAS/ICP-MS)
14. UV/VIS analysis

COD = Chemical oxygen demand;
TOC = Total organic carbon;
DOC = Dissolved organic carbon
Note: For guidance. Only a selection of applications shown above

Puradisc FP
3* 4 9*
11 14
*Notes:
3 and 9: CA

Puradisc Aqua 30
12 13

ReZist™
1 4 7 14

Protein Prep for ÄKTA™
9

Puradisc
3* 4 7 9*
11 12* 13* 14
*Notes:
3 & 9: CA, PES, PVDF
12 & 13: PES

Anotop™
3 4 6 7 8
9 10* 11 14
*Notes: 0.02 µm

Mini-UniPrep G2
2 7

Anotop Plus
4 5 7 10*
*Notes: 0.02 µm

Mini-UniPrep
2 7

Roby
2

GD/XP
4 5 7 8
12 13 14

Uniflo
3 4 7 11
12 13 14

SPARTAN
4 7 9 14

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4 5
7 11 14

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