

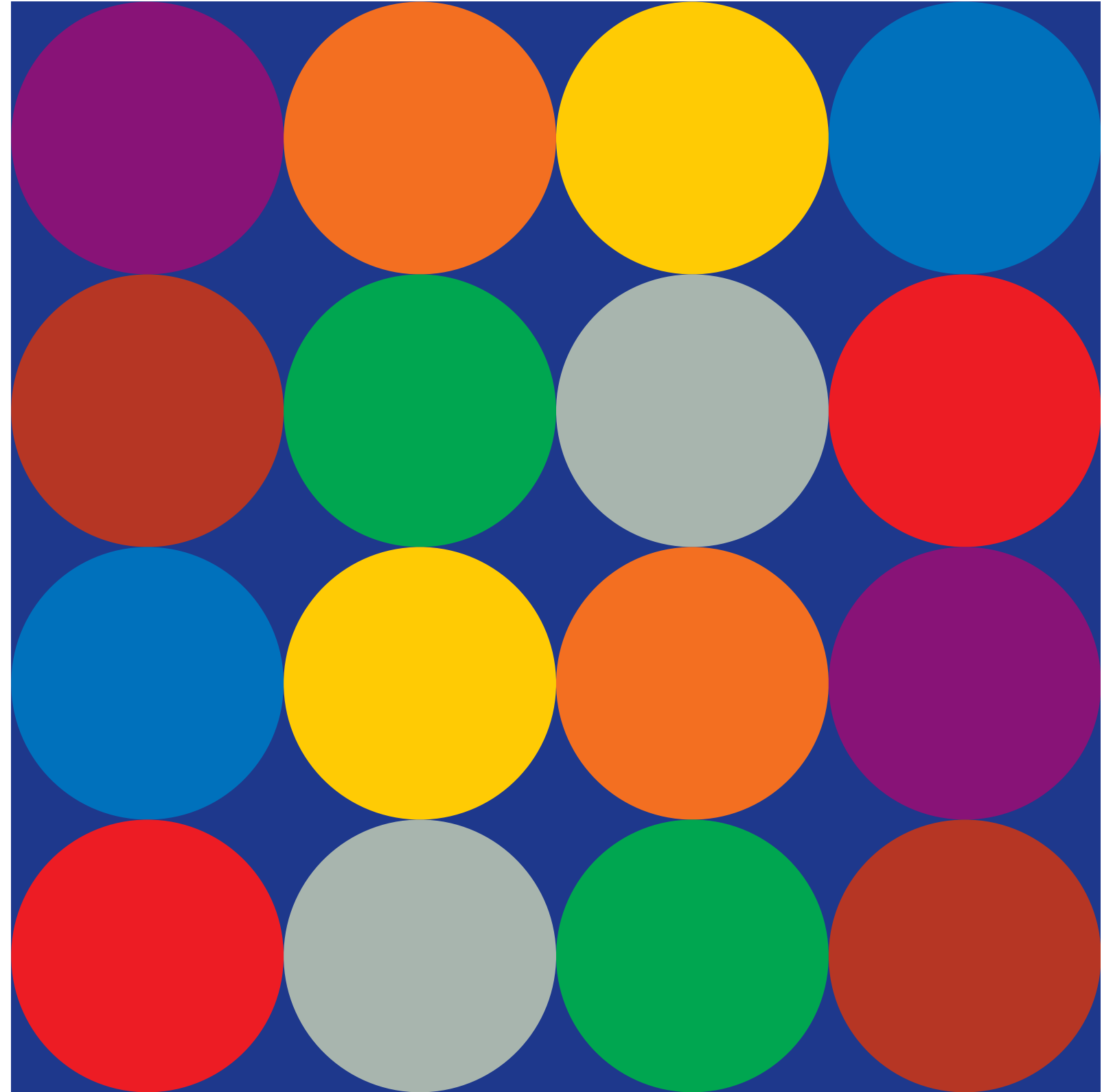
Cronus Filter	Cronus Certified	Description	Filter Size (mm)	Pack Size	
FFNN0402-100 FFNN0402-1000 FFNN1302-100 FFNN1302-1000 FFNN2502-100 FFNN2502-1000	FFNN0402-C-100 FFNN0402-C-1000 FFNN1302-C-100 FFNN1302-C-1000 FFNN2502-C-100 FFNN2502-C-1000	Nylon 4mm, 0.2µm Nylon 4mm, 0.2µm Nylon 13mm, 0.2µm Nylon 13mm, 0.2µm Nylon 25mm, 0.2µm Nylon 25mm, 0.2µm	4 4 13 13 25 25	100 1000 100 1000 100 1000	
FFNN0445-100 FFNN0445-1000 FFNN1345-100 FFNN1345-1000 FFNN2545-100 FFNN2545-1000	FFNN0445-C-100 FFNN0445-C-1000 FFNN1345-C-100 FFNN1345-C-1000 FFNN2545-C-100 FFNN2545-C-1000	Nylon 4mm, 0.45µm Nylon 4mm, 0.45µm Nylon 13mm, 0.45µm Nylon 13mm, 0.45µm Nylon 25mm, 0.45µm Nylon 25mm, 0.45µm	4 4 13 13 25 25	100 1000 100 1000 100 1000	
FPNN2545-100 FPNN2545-1000	FPNN2545-C-100 FPNN2545-C-1000	Nylon with 1µm Glass Fibre Pre-Filter 25mm, 0.45µm Nylon with 1µm Glass Fibre Pre-Filter 25mm, 0.45µm	25 25	100 1000	
FFPT0402-100 FFPT0402-1000 FFPT1302-100 FFPT1302-1000 FFPT2502-100 FFPT2502-1000	FFPT0402-C-100 FFPT0402-C-1000 FFPT1302-C-100 FFPT1302-C-1000 FFPT2502-C-100 FFPT2502-C-1000	PTFE 4mm, 0.2µm PTFE 4mm, 0.2µm PTFE 13mm, 0.2µm PTFE 13mm, 0.2µm PTFE 25mm, 0.2µm PTFE 25mm, 0.2µm	4 4 13 13 25 25	100 1000 100 1000 100 1000	
FFPT0445-100 FFPT0445-1000 FFPT1345-100 FFPT1345-1000 FFPT2545-100 FFPT2545-1000	FFPT0445-C-100 FFPT0445-C-1000 FFPT1345-C-100 FFPT1345-C-1000 FFPT2545-C-100 FFPT2545-C-1000	PTFE 4mm, 0.45µm PTFE 4mm, 0.45µm PTFE 13mm, 0.45µm PTFE 13mm, 0.45µm PTFE 25mm, 0.45µm PTFE 25mm, 0.45µm	4 4 13 13 25 25	100 1000 100 1000 100 1000	
FFPV0445-100 FFPV0445-1000 FFPV1345-100 FFPV1345-1000 FFPV2545-100 FFPV2545-1000	FFPV0445-C-100 FFPV0445-C-1000 FFPV1345-C-100 FFPV1345-C-1000 FFPV2545-C-100 FFPV2545-C-1000	PVDF 4mm, 0.45µm PVDF 4mm, 0.45µm PVDF 13mm, 0.45µm PVDF 13mm, 0.45µm PVDF 25mm, 0.45µm PVDF 25mm, 0.45µm	4 4 13 13 25 25	100 1000 100 1000 100 1000	
FFPV0402-100 FFPV0402-1000 FFPV1302-100 FFPV1302-1000	FFPV0402-C-100 FFPV0402-C-1000 FFPV1302-C-100 FFPV1302-C-1000	PVDF 4mm, 0.2µm PVDF 4mm, 0.2µm PVDF 13mm, 0.2µm PVDF 13mm, 0.2µm	4 4 13 13	100 1000 100 1000	
FFRC1302-100 FFRC1302-1000 FFRC2502-100 FFRC2502-1000	FFRC1302-C-100 FFRC1302-C-1000 FFRC2502-C-100 FFRC2502-C-1000	Regenerated Cellulose 13mm, 0.2µm Regenerated Cellulose 13mm, 0.2µm Regenerated Cellulose 25mm, 0.2µm Regenerated Cellulose 25mm, 0.2µm	13 13 25 25	100 1000 100 1000	
FFRC0445-100 FFRC0445-1000 FFRC1345-100 FFRC1345-1000 FFRC2545-100 FFRC2545-1000	FFRC0445-C-100 FFRC0445-C-1000 FFRC1345-C-100 FFRC1345-C-1000 FFRC2545-C-100 FFRC2545-C-1000	Regenerated Cellulose 4mm, 0.45µm Regenerated Cellulose 4mm, 0.45µm Regenerated Cellulose 13mm, 0.45µm Regenerated Cellulose 13mm, 0.45µm Regenerated Cellulose 25mm, 0.45µm Regenerated Cellulose 25mm, 0.45µm	4 4 13 13 25 25	100 1000 100 1000 100 1000	
FFCA1345-100 FFCA1345-1000 FFCA2545-100 FFCA2545-1000	FFCA1345-C-100 FFCA1345-C-1000 FFCA2545-C-100 FFCA2545-C-1000	Cellulose Acetate 13mm, 0.45µm Cellulose Acetate 13mm, 0.45µm Cellulose Acetate 25mm, 0.45µm Cellulose Acetate 25mm, 0.45µm	13 13 25 25	100 1000 100 1000	
Sterile Filters FSPS2602-50 FSCA2602-50		PES 25mm, 0.2µm, Sterile Cellulose Acetate 25mm, 0.2µm, Sterile	25 25	50 50	
Membrane Filters (no housing) FMNN1345-100 FMNN4702-100 FMNN4745-100 FMPT4702-100 FMPT4745-100		Membrane, Nylon, 13mm, 0.45µm Membrane, Nylon, 47mm, 0.2µm Membrane, Nylon, 47mm, 0.45µm Membrane, PTFE, 47mm, 0.2µm Membrane, PTFE, 47mm, 0.45µm		100 100 100 100 100	

If the filter you need is not listed, please contact us



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cronus

syringe filters

Cronus quality commitment

All Cronus filters are manufactured in compliance with ISO 9001 using validated production processes. This ensures consistency, reliability and membrane integrity, week after week, year after year.

Additionally, samples of all the filter batches and membranes are held for 24 months from production for reference. This enables your current batch to be tested in our labs under your conditions should you require assistance with an application.

Cronus filters are made using inert, extractable free virgin polypropylene housings with Luer lock and Luer slip fittings. Each filter is sealed using an ultrasonic process to ensure that no adhesives can contaminate your samples - essential to maintain your sample integrity. At the same time the process creates a physically stronger filter to protect against potentially dangerous bursting.

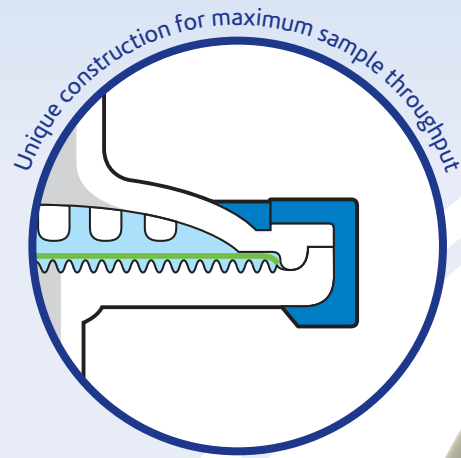
Colour coding

All Cronus filters are colour coded to help with easy identification. The membrane type and pore size are also printed on each filter to confirm that you are using the correct membrane.

Filter sizes and membranes to meet your sample needs

Cronus filters are available in a variety of sizes and with different membranes to suit your sample. Typical filtration volumes are shown below, but this may vary depending on how many particulates are in the sample. For heavily laden samples it is recommended to use a filter with a glass fibre pre-filter.

Typical sample	Recommended filter size	Residual volume (after air purge)
0-2ml	4mm	<7.5µl
2-10ml	13mm	<25µl
>10ml	25mm	<50µl



Cronus Certified

Cronus filters are also available as a fully Certified product with each batch of filters tested for bubble point, burst pressure, HPLC extractables, build quality and overall conformance to our strict manufacturing criteria.

Every pack of **Cronus Certified** Filters is supplied with a **Certificate of Compliance** as your guarantee of the product performance and quality. Full laboratory results for any filter are available on request.

HPLC results can only be as good as the weakest component so consistent and reliable sample filtration is essential. **Cronus Certified Filters** represent a new standard in sample preparation excellence and so will give you complete confidence in your results.

All filters are tested for:

Pore size distribution, bubble point, water breakthrough, housing and membrane integrity, HPLC extractables, permeability and efficiency.

Tested by an independent laboratory



Membrane selection

It is important to use the correct filter for your sample as different membrane types will give different results. Most importantly it is necessary to ensure that the filter does not interfere or bind with your sample and that the solvent used does not affect the integrity of the membrane. Technical support is always available to help with your filter selection.

Nylon is a very pure hydrophilic membrane with very low levels of extractables - it is mechanically very strong and can be used in many different applications. The Nylon filter membrane undergoes extensive testing before it is encapsulated to ensure that the level of extractables is unsurpassed.

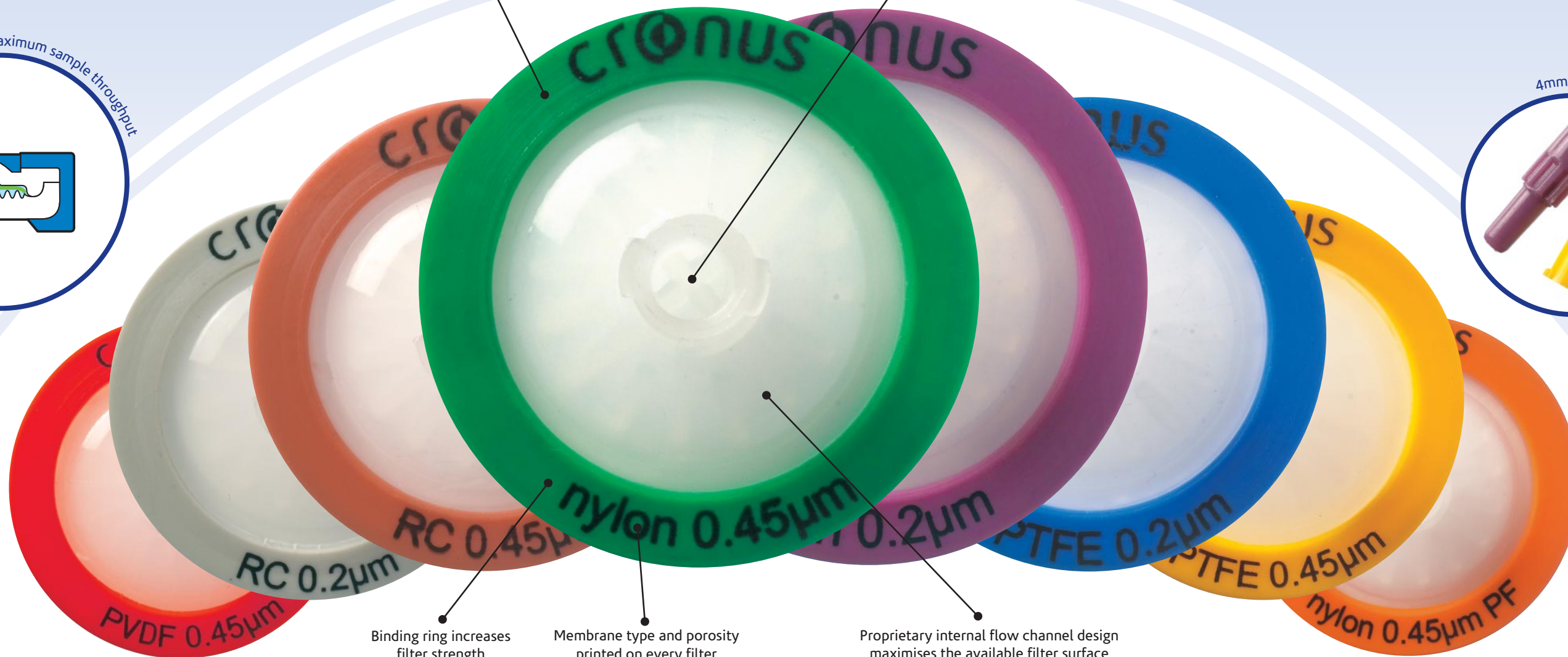
PTFE is chemically resistant to virtually all solvents and can be used for working with aggressive media such as strong acids and bases. PTFE is hydrophobic and requires pre-wetting (normally by using a small amount of alcohol) before being used with aqueous samples. PTFE filters can also be used to prevent moisture passing through air vents.

Regenerated Cellulose is suitable for a wide variety of laboratory procedures. It is a very low protein binder and therefore ideally suited for analyses that require maximum sample recovery. The membrane possesses good solvent resistance with both aqueous and organic solvents, and is able to work over a wide pH range.

Polyvinylidene Difluoride (PVDF) is a broad purpose hydrophilic membrane that can be used in a variety of applications. It has high flow rates and is generally compatible with most common solvents. PVDF is a low protein binder.

Colour coding aids membrane identification

Universal luer lock/luer slip design for versatility and maximum operational safety



Binding ring increases filter strength

Membrane type and porosity printed on every filter

Proprietary internal flow channel design maximises the available filter surface

