

cronus[®]

SYRINGE FILTER CATALOG

uvision
Technologies



QUALITY LAB ACCESSORIES

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.

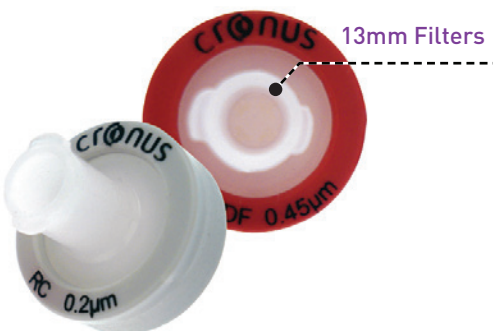
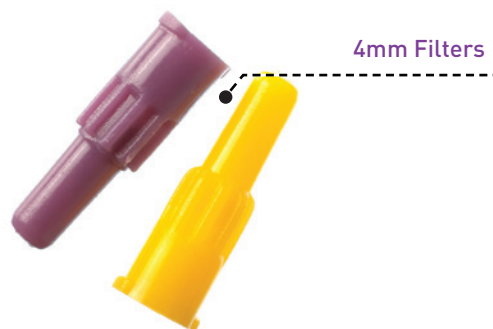
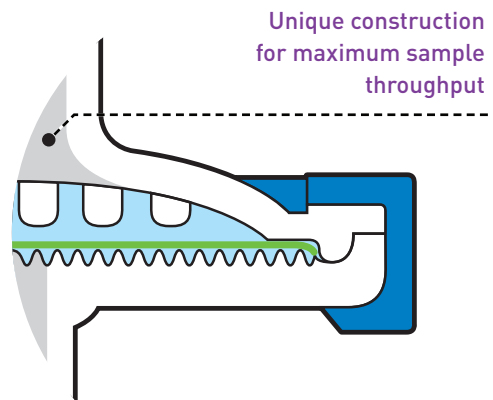
Additionally, samples of all the filter batches and membranes are held for 24 months from production for reference. This enables your current batch to be tested in our labs under your conditions should you require assistance with an application.

Cronus filters are manufactured 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.

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 fiber pre-filter.

Typical Sample	Recommended Filter Size	Residual Volume (after air purge)
0-2ml	4mm	< 7.5µl
2-10ml	13mm	< 25µl
>10ml	25mm	< 50µl



Membrane Selection

NYLON

This 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.

COLORS: ○ ●

PTFE

This 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.

COLORS: ● ●

POLYVINYLIDENE DIFLUORIDE (PVDF)

This 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.

COLORS: ●



REGENERATED CELLULOSE

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.

COLORS: ●

✓ Tested by an Independent Laboratory for:

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

Cronus Quality You Can Trust

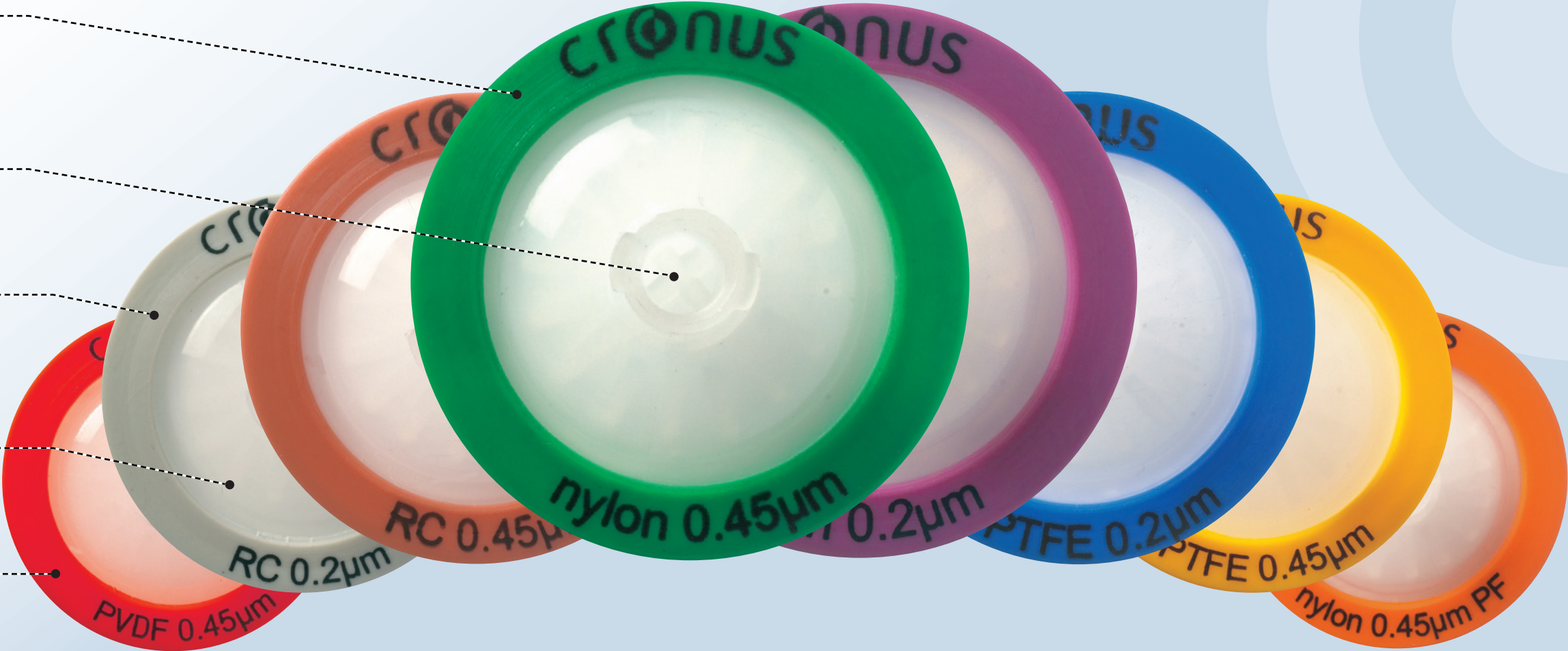
Color coding aids membrane identification

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

Binding ring increases filter strength

Proprietary internal flow channel design maximizes the available filter surface

Membrane type and porosity printed on every filter



Color	Membrane	Porosity	Filter Size	Pack Size	Part Number
 Purple	Nylon	0.2µm	4mm	100 1000	FFNN0402-100 FFNN0402-1000
			13mm	100 1000	FFNN1302-100 FFNN1302-1000
			25mm	100 1000	FFNN2502-100 FFNN2502-1000
 Green	Nylon	0.45µm	4mm	100 1000	FFNN0445-100 FFNN0445-1000
			13mm	100 1000	FFNN1345-100 FFNN1345-1000
			25mm	100 1000	FFNN2545-100 FFNN2545-1000
 Dark Blue	PTFE	0.2µm	4mm	100 1000	FFPT0402-100 FFPT0402-1000
			13mm	100 1000	FFPT1302-100 FFPT1302-1000
			25mm	100 1000	FFPT2502-100 FFPT2502-1000
 Yellow	PTFE	0.45µm	4mm	100 1000	FFPT0445-100 FFPT0445-1000
			13mm	100 1000	FFPT1345-100 FFPT1345-1000
			25mm	100 1000	FFPT2545-100 FFPT2545-1000
 Red	PVDF	0.45µm	4mm	100 1000	FFPV0445-100 FFPV0445-1000
			13mm	100 1000	FFPV1345-100 FFPV1345-1000
			25mm	100 1000	FFPV2545-100 FFPV2545-1000
 Brown	Regenerated Cellulose	0.45µm	25mm	100 1000	FFRC2545-100 FFRC2545-1000



COLOR CODING

All Cronus filters are color 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.



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