

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.

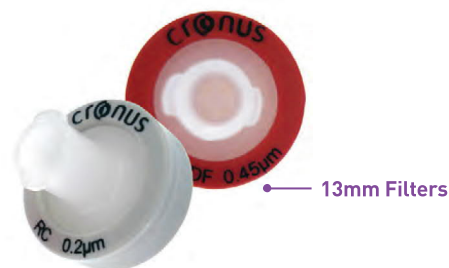
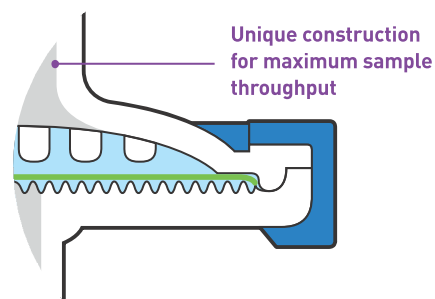
Additionally, samples of all the filter batches and membranes are held for 24 months from production for reference. This enables your current batch to be tested in our labs under your conditions should you require assistance with an application.

Cronus® filters are 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: 

CELLULOSE ACETATE: This is the best choice when maximum protein recovery in the filtrate is critical. It is ideal for tissue culture media filtration and sensitive biological samples. Cellulose Acetate is well suited for use with aqueous based samples.

COLORS: 

GLASS MICROFIBER: This is the membrane of choice for dissolution testing, DNA recovery and cleanup. It can be used as a pre-filter to remove large particulates and to extend the load capacity of the membrane.

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

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.



CRONUS COLOR	PART NUMBER	DESCRIPTION	PORE SIZE
 PURPLE	FFNN0402-100	NYLON 4MM	0.2
	FFNN0402-1000	NYLON 4MM	
	FFNN1302-100	NYLON 13MM	
	FFNN1302-1000	NYLON 13MM	
	FFNN2502-100	NYLON 25MM	
	FFNN2502-1000	NYLON 25MM	
 GREEN	FFNN0445-100	NYLON 4MM	0.45
	FFNN0445-1000	NYLON 4MM	
	FFNN1345-100	NYLON 13MM	
	FFNN1345-1000	NYLON 13MM	
	FFNN2545-100	NYLON 25MM	
	FFNN2545-1000	NYLON 25MM	
 BLUE	FFPT0402-100	PTFE 4MM	0.2
	FFPT0402-1000	PTFE 4MM	
	FFPT1302-100	PTFE 13MM	
	FFPT1302-1000	PTFE 13MM	
	FFPT2502-100	PTFE 25MM	
	FFPT2502-1000	PTFE 25MM	
 YELLOW	FFPT0445-100	PTFE 4MM	0.45
	FFPT0445-1000	PTFE 4MM	
	FFPT1345-100	PTFE 13MM	
	FFPT1345-1000	PTFE 13MM	
	FFPT2545-100	PTFE 25MM	
	FFPT2545-1000	PTFE 25MM	
 RED	FFPV0445-100	PVDF 4MM	0.45
	FFPV0445-1000	PVDF 4MM	
	FFPV1345-100	PVDF 13MM	
	FFPV1345-1000	PVDF 13MM	
	FFPV2545-100	PVDF 25MM	
	FFPV2545-1000	PVDF 25MM	
 BROWN	FFRC2545-100	RC 25MM	0.45
	FFRC2545-1000	RC 25MM	
 GOLD	FFGF2507-100	GLASS 25MM	0.7
	FFGF2507-1000	GLASS 25MM	
 TURQUOISE	FFGF2512-100	GLASS 25MM	1.2
	FFGF2512-1000	GLASS 25MM	
 NAVY BLUE	FFGF2531-1000	GLASS 25MM	3
 WHITE	FFCA2545-1000	CELLULOSE ACETATE 25MM	0.45