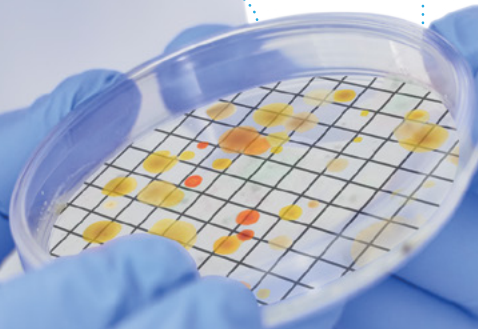


Nitrocellulose (NC) Filtration Membrane

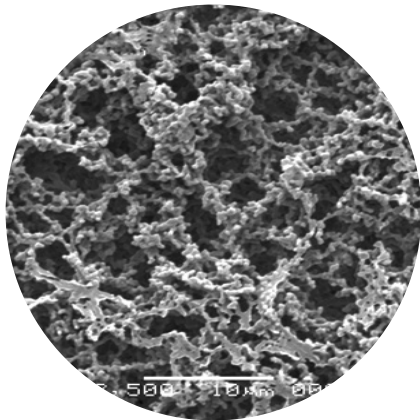


Be fast, be safe
on your filtration



A complete range of Nitrocellulose membrane.
Look at the ordering informations and have your choice!

Nitrocellulose (NC) Membrane



Consistent Uniformity Improves Control and Performance

GVS Life Sciences NC Filtration Membranes are composed of a mixture of inert cellulose nitrate and cellulose acetate polymers. The uniform microporous structure of these filters provides the fastest flow rates and highest throughputs available in a membrane filter. Because they are biologically inert, GVS Life Sciences NC Filtration Membranes are ideal for a wide range of clarification, sterilization and analytical applications such as: microbiological analysis, clarification or sterilization of aqueous solutions, industrial hygiene applications, silt density index and particulate-matter analysis. For gravimetric analysis using ashing techniques, GVS Life Sciences NC Membranes yield a residue or less than 0.045% of their initial weight. They are hydrophilic with a noncytotoxic wetting agent and yield extractable levels of less than 4% of their weight. These membranes are autoclavable at 121°C (250°F) for 20 minutes. Sterilized product lifetime is 18 months from sterilization date (1 year warranty).

GVS Life Sciences Nitrocellulose (NC) Filtration Membrane is an unsupported, hydrophilic membrane. Its rapid flow rate and high throughput make it ideal for use in diagnostic kit manufacturing applications.

Characteristics

- High flow rate: fast filtration rates
- Uniform pore structure: consistent flow and diffusion rates
- Lot-to-lot consistency

Typical Applications

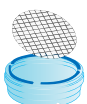
- Aqueous filtration
- Sterility testing
- Gravimetric analysis with ashing technique
- Microbiological and particulate analysis
- Black for food and beverage applications

Product Characteristics

Sterilization	Gamma Irradiation or Ethylene Oxide (EtO)
USP Class VI testing	Passed
Thickness	100 - 190 µm
Sealing Compatibility	Ultrasonic, Heat, Radio Frequency and Insert Molding
Pore Size Range	0.1 to 8.0 µm

Performance

Pore Size (µm)	Flow Time (s)	Volume/Vacuum (mL/in Hg)	Flow Rate (mL/min/cm ² @ 10psi)	Bubble Point (psi)
0,1	198-263	250/20	6.05-8.03	80-110
0,22	60-136	250/20	11.70-26.51	52-65
0,45	23-46	250/20	34.58-69.16	30-42
0,65	13-35	250/20	45.45-122.36	25-42
0,8	5-18	250/20	88.37-318.13	11-19
1,2	30-80	500/5	159-424	9-18
5,0	13-36	500/5	353-979	6-15
8,0	3-25	500/5	509-4242	4-11



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Ordering informations



Nitrocellulose membrane - Sterile, white and black

Pore sizes	Individually Packaged Without Pad Gridded							Individually Packaged with Pad Gridded				
	Dimensions Packaging	47 mm 100/pk	47 mm 100/pk	47 mm 200/pk	47 mm 200/pk	47 mm 1000/pk	47 mm 1000/pk	50 mm 1000/pk	47 mm 100/pk	47 mm 100/pk	47 mm 1000/pk	47 mm 1000/pk
	Color	white	black	white	black	white	black	white	white	black	white	black
0.22 µm	1216720		1214861		1214396				1214872			
0.45 µm	1216721	1216719	1215230	1214991	1214923	1213643	1222980	1215237	1214866	1215249	1213145	
0.7 µm	1216722	1216718	1215406	1213331	1215408	1221948		1215407		1215409		
0.8 µm	1216724	1216723				1215590		1225460				

Nitrocellulose membrane - Non sterile, white and black

Pore sizes	Dimensions Packaging	13 mm 100/pk	25 mm 100/pk	25 mm Gridded 100/pk	25 mm 100/pk	25 mm Gridded 100/pk
	Color	white	white	white	black	black
0.1 µm			1214527			
0.22 µm	1214882		1214898			
0.45 µm	1215257		1215263		1215019	1214969
0.65 µm			1215376			
0.8 µm	1215424		1215425	1215419	1215415	1215411
1.2 µm	1215438		1215440	1215435		
5.0 µm	1215448		1215450			
8.0 µm	1214456		1215455			

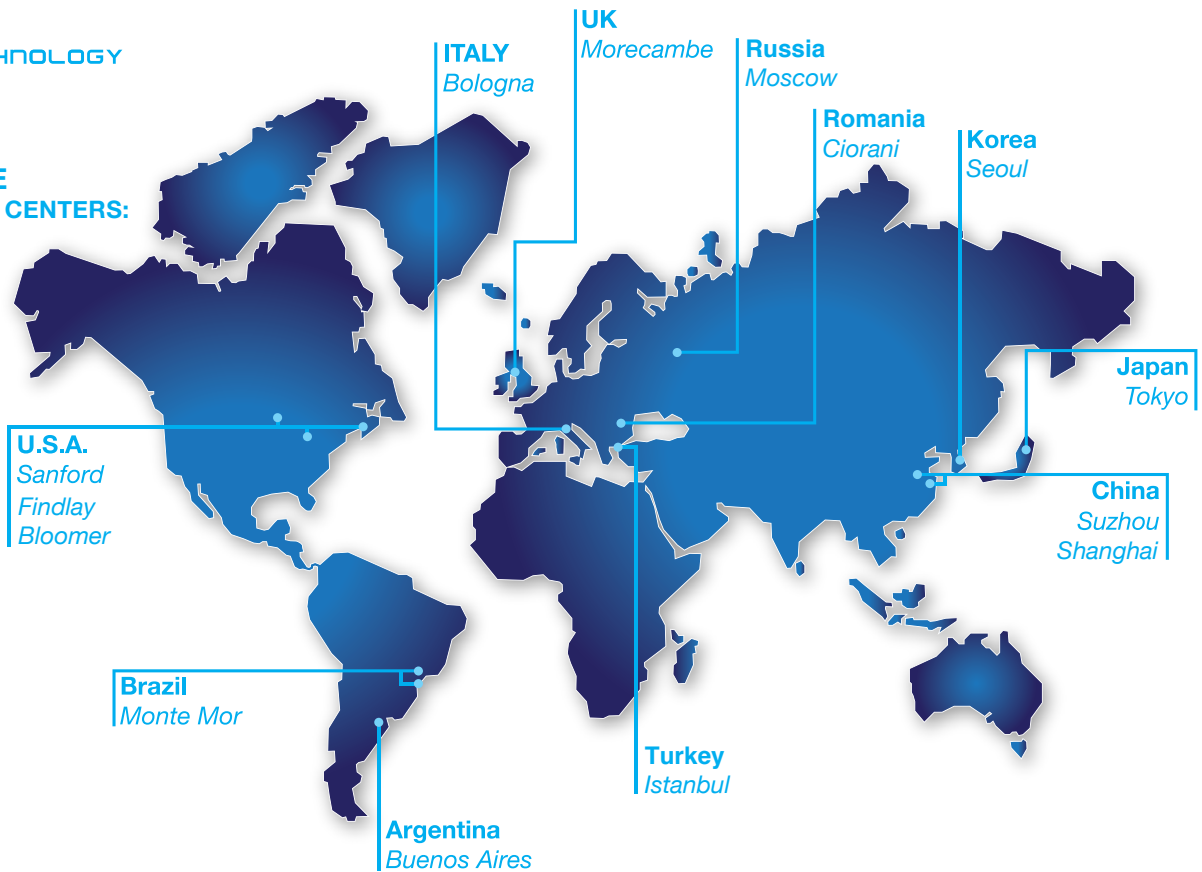
Pore sizes	Dimensions Packaging	47 mm 100/pk	47 mm Gridded 100/pk	47 mm 100/pk	47 mm Gridded 100/pk	90 mm 25/pk
	Color	white	white	black	black	white
0.1 µm	1214533					
0.22 µm	1214909		1214839			1214941
0.45 µm	1215281		1215207		1214977	1215305
0.65 µm	1215380					
0.8 µm	1215428		1215421	1215416	1215412	1215431
1.2 µm	1215441		1215437			1215442
5.0 µm	1215451					1215452
8.0 µm	1215456				3053377	1215027

Pore sizes	Dimensions Packaging	142 mm 25/pk	293 mm 25/pk	20x20 cm 5/pk	20x20 cm 5/pk
	Color	white	white	white	black
0.1 µm	1214554		1214565		
0.22 µm	1214950		1214959	3031100	
0.45 µm	1215316		1215323	1225781	3053082
0.65 µm					
0.8 µm	1215432		1215433	3050851	
1.2 µm	1215443				
5.0 µm	1215453				
8.0 µm	1221955		1212631		



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