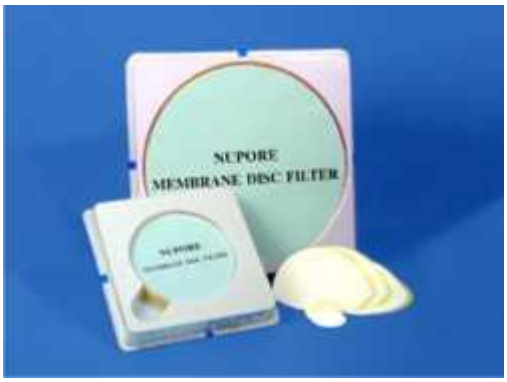
Nupore Nylon-66 Membrane Filter - Type NN

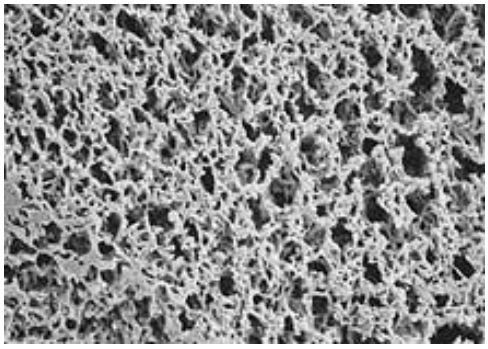


Nylon Membrane Disc Filter are double layered hydrophilic, on media migrating, biologically inert, flexible, durable, plain white absolute membrane filter offering wide chemical compatibility.

Features and Benefits

- Absolute retention
- Wide Chemical Compatibility
- No extractable
- High heat resistance
- Base of handling

Specifications



Pore Size	0.22µm	0.45µm	0.8µm	1.2µm
Diameter	13mm, 25mm, 47mm, 90mm, 142mm,293mm			
Water Flow Rate ($ml/min/cm^2$) at ΔP=10psi, 20°C	14.5	38.5	125	187
Retention Efficiency	0.22µm: LRV > 7 for Br. diminuta			

Sterilisation: Autoclavable at 121°C

Maximum Operating Temperature: 80°C continuous

Maximum Operating Pressure: 5 Kg/cm^2

Biosafety: Passes the Biological tests for Class VI plastics as described in USP

Extractables with Water: Within Limits specified in USP

Oxidizable Matter: Passes as per USP

Integrity Test Data

Pore Size	Wetting Fluid	Bubble Point	
0.22µm	Water	52psi	3.65 Kg/cm^2
0.45µm	Water	33psi	2.32 Kg/cm^2
0.8µm	Water	14psi	0.98 Kg/cm^2

Ordering Information

Type	NN
Pore Size(µm)	0.22, 0.45, 0.8, 1.2
Diameter (mm)	13, 25, 47, 90, 142, 293

To order please specify,

Type *Pore Size* *Diameter* *Qty*

For example : NN, 0.45µm, 293 mm, 100 Nos.
NN, 0.45µm, 47 mm, 250 Nos.

Nupore Cellulose Nitrate Membrane Filter - Type CN

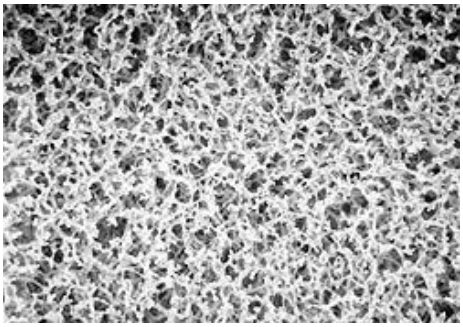
Cellulose Nitrate Membrane Disc Filters are hydrophilic, non-media, migrating, biologically inert, plain white absolute membrane filter available in wide range of pore size from 0.22 µm to 5.0 µm.

Features and Benefits

- Absolute retention
- High flow rates
- Narrow pore size distribution
- Low extractable levels

Specifications

Pore Size	0.22µm	0.45µm	0.8µm	1.2µm	5.0µm
Diameter	13mm, 25mm, 47mm, 90mm, 142mm,293mm				
Water Flow Rate ($ml/min/cm^2$) at ΔP=10psi, 20°C	20	46	259	364	780
Retention Efficiency	0.22µm: LRV > 7 for Br. diminuta				



Sterilisation: Autoclavable at 121°C

Maximum Operating Temperature: 80°C continuous

Maximum Operating Pressure: 5 Kg/cm^2

Biosafety: Passes the Biological tests for Class VI plastics as described in USP

Oxidizable Matter: Passes as per USP

Integrity Test Data

Pore Size	Wetting Fluid	Bubble Point	
0.22µm	Water	52psi	3.65 Kg/cm^2
0.45µm	Water	33psi	2.32 Kg/cm^2
0.8µm	Water	14psi	0.98 Kg/cm^2

Applications

- Sample Preparations
- Microbiological studies
- Filtration of aqueous solutions

Ordering Information

Type	CN
Pore Size(µm)	0.22, 0.45, 0.8, 1.2, 3, 5
Diameter (mm)	13, 25, 47, 90, 142, 293

To order please specify,

Type | Pore Size | Diameter | Qty

For example : CN, 0.45µm, 293 mm, 100 Nos.
CN, 0.45µm, 47 mm, 250 Nos.

Nupore Gridded Cellulose Nitrate Membrane Disc Filters - GCN

GCN membrane are made of Cellulose Nitrate, a material which assures effective retention with high flow rates. These membranes are useful for water microbiology. A grid is printed on the surface to facilitate of colonies.

Features and Benefits

- High flow rates
- Non-inhibiting ink grids
- Validated for microbial recovery

Applications

GCN membranes are useful for water microbiology. The printed grid eases the counting of bacterial colonies, micro colonies etc., and in no way influences the growth of bacteria.

Ordering Information

Type	Pore Size (µm)	Diameter	Pack Size
GCN	0.2, 0.45, 0.8, 1.2, 5	25 mm	100
		47 mm	100

To order please specify,

Type | Diameter | Qty +

For example : GCN, 0.45µm, 47 mm, 100 Nos.

Nupore Edge Hydrophobic Membrane Disc Filter - Type EHCN

EHCN Membrane are used for sterility testing of antibiotics & drugs containing bacteriostats. 6 mm rim is hydrophobic & rest of the membrane is hydrophilic. The Hydrophobic edge does not allow drug to seep under the rim of the filter holder. This ensures complete removal of the drug during flushing so that growth of any micro-organisms which have been retained on the membrane is not inhibited due to the residual drug, improving the sensitivity and reliability of the test.

EHCN filter are available in 0.45 m pore size and 47 mm diameter.

Specifications

Pore Size	0.45µm
Diameter	47mm
Water Flow Rate ($ml/min/cm^2$) at ΔP=10psi, 20°C	46 ml/min./cm^2

Sterilisation: Autoclavable at 121°C

Maximum Operating Temperature: 80°C continuous

Maximum Operating Pressure: 5 Kg/cm^2

Biosafety: Passes the Biological tests for Class VI plastics as described in USP

Oxidizable Matter: Passes as per USP

Integrity Test Data

Pore Size	Wetting Fluid	Bubble Point	
0.45µm	Water	33psi	2.32 Kg/cm^2

Ordering Information

Type	EHCN	EHCNS
Pore Size(µm)	0.45	0.45
Diameter (mm)	47	47
Pack Size (No.)	100	100

To order please specify,

Type *Pore Size* *Diameter* *Qty*

For example : EHCN, 0.45µm, 47 mm, 100 Nos.

Binding Membrane for Microbiology

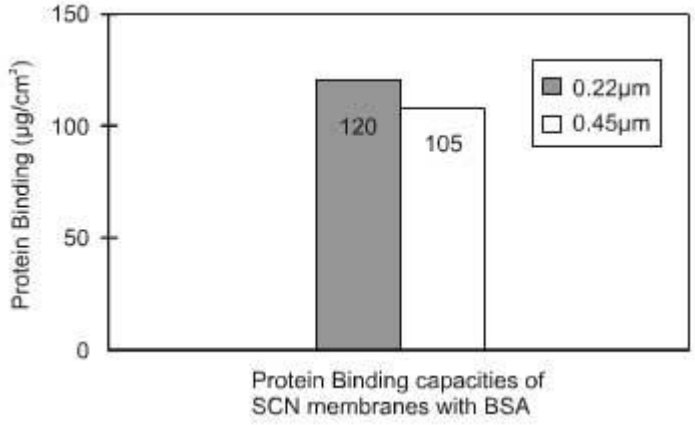
Nupore Nitrocellulose Membranes - Type SCN

Nupore Nitrocellulose SCN is a pure nitrocellulose membrane produced specially for life sciences applications.

Features and Benefits

- High binding capacities for proteins and nucleic acid molecules.
- Minimum background : High signal to noise ratio.
- Uniform and easy wettability.
- Can be blocked by normal blocking methods.
- Does not bind common protein stains.
- Compatible with colorimetric, radiolabelled, chemiluminescent, fluorescent and staining detection methods

Protein Binding



Applications

Protein blotting, dot and slot blots, nucleic acid dot/slot blots, colony/plaque lifts, enzyme immunoassays.

Ordering Information

Type	Pore Size	Size	Pack Size
SCN	0.22µm	82 mm circles	50,100
		90 mm circles	50
		142 mm circles	50
	0.45µm	150mm x 150mm sheets	50
		200mm x 200mm sheets	50
		300mm x 300mm sheets	50

To order please specify,

Type *Pore Size* *Size* *Qty*

For example : SCN, 0.45µm, 150mm x 150mm sheets, 100 Nos.

Nupore Nitrocellulose Membranes - Type SNN

Nupore offers two distinct types of Nylon-66 membranes for variety of applications.

- **SNN membranes** are pure Nylon-66 highly uniform membranes, specially useful for nucleic acid binding.
- **SNNZ membranes** are surface modified to make them positively charged for enhanced binding of negativelycharged molecules such as nucleic acids.

Features and Benefits

- Very high binding capacities for biomolecules
- Easy wettability
- Ultra violet cross linkable
- Chemically resistant, tolerant to alkali fixation

Applications

Nucleic acid transfers, dots/slot blots, colony/plaque lifts and multiple reprobing.

Specifications & Ordering Information

Type	Pore Size	Size	Pack Size
SNN*	0.22µm	82 mm circles	50,100
		90 mm circles	50
		142 mm circles	50
	0.45µm	150mm x 150mm sheets	50
		200mm x 200mm sheets	50
		300mm x 300mm sheets	50
		300mm x 3mtr roll	

* : Z = Positively Charged

To order please specify,

Type Pore size Size Qty.

For example : SNN, 0.45µm, 150mm x 150mm sheets, 100 Nos.

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