

Neutral Nylon 66 Membrane



GVS Neutral Nylon Transfer Membrane is a pure polymer impregnated in by an inert polyester web. It is naturally hydrophilic and optimized for protein binding and for high, reproducible binding of nucleic acids.

Reliable Quality, Increased Efficiencies

This controlled microporous Nylon 66 membrane is cast on an inert, internal support web that gives it added dimensional strength and stability to prevent cracking, tearing, curling and breaking. This added strength and durability is essential in protocols that require aggressive handling, such as colony lifts and plaque lifts.

In addition to the dimensional strength and durability of GVS Neutral Nylon Transfer Membrane, its retention of macromolecules can also be enhanced using UV cross-linking. This process can be used to maximize the signal retention of nucleic acids and preserve the integrity of DNA or RNA transfers. The purity and consistency of GVS Neutral Nylon Transfer Membrane, coupled with its added durability and sensitivity, make it an ideal membrane for use in medical research, scientific studies

or test confirmations where precise biological pattern replications, such as DNA and RNA transfers, are integral to the success of the procedure.

Features & Benefits

- Supported: has added strength and durability preventing distortion or contamination in multiple reprobings
- High binding capacity: with a nucleic acid binding capacity of approximately 350 µg/cm², Magna Nylon - Transfer Membrane can bind a wide range of fragment sizes, increasing the efficiency of transfers
- Hydrophilic: eliminates the need for wetting agents that can potentially interfere with biological processes
- Lot-to-lot consistency: quality checks ensure lot-to-lot consistency, both down and across the polyester web, for dependable results every time
- Maximum Operating Temperature 356°F (180°C)
- Autoclavable

Typical Applications

- Southern transfers
- Northern transfers
- Protein binding
- Microarrays
- Macroarrays
- Dot/Slot blotting
- Radiolabeled detection systems
- Non-radiolabeled detection systems
- Colony lifts
- Plaque lifts
- Library screening

Product Characteristics

Pore Size (µm)	Flow Time (s)	Volume/Vacuum (mL/in Hg)	Flow Rate (mL/min/cm ² @ 10 psi)	Bubble Point (psi)	Thickness (µm)
0.2	113-277	250/20	5.74-14.08	40-68	140-190
0.4	65-205	250/20	7.76-24.47	32-57	140-190

Disks and Sheets

Ordering information

Dimensions Packaging	82 mm 50/pk	85 mm 50/pk	132 mm* 50/pk	137 mm 50/pk	150x150 mm 5/pk	200x200 mm 5/pk
0.22 µm		1213410				1213419
0.45 µm	1213370	1214428*	1213372	1213373	1213375	1213379

*100/pk

Dimensions Packaging	200x3000 mm 1/pk	300x3000 mm 1/pk
0.22 µm		1213405
0.45 µm	1213403	1213364

Reprobing Charged Nylon 66 (NY+)



Features & Benefits

- Supported charged nylon 66 membrane
- Specifically designed for multiple reprobing
- Used for both radiolabelled & non-radiolabelled detection systems
- Can be used for alkaline blotting
- Nucleic acid binding is 450 µg/cm²
- Maximum Operating Temperature 356°F (180°C)
- Autoclavable

Typical Applications

- Radiolabelled & non-radiolabelled detection systems
- Northern Blotting
- Southern Blotting
- Multiple Reprobings
- Alkaline Blotting
- UV Crosslinking

GVS Nylon Reprobing Charged transfer membrane is a positively charged modified nylon 66 membrane, specifically designed to allow for numerous reprobing. The high binding capacity of 450 mg/cm² makes GVS Nylon ideal for all Southern and Northern applications, including alkaline blotting. GVS Nylon is ideally suited for all probes both radioactive and non-radioactive, including chemiluminescent and biotinylated detection systems. GVS Nylon 66 reprobing Charged transfer membrane offers significantly increased binding, maximum “lot-to-lot” consistency, and excellent signal retention. The inherent charge on this nylon membrane along with its hydrophilic nature makes consistent repeatable results a reality for researchers. After 12 rounds of reprobing, GVS Nylon has a lower background and higher signal.

Product Characteristics

Pore Size (µm)	Flow Time (s)	Volume/Vacuum (mL/ in Hg)	Flow Rate (mL/min/cm ² @ 10 psi)	Bubble Point (psi)	Thickness (µm)
0.45	20-75	250/20	21.21-79.53	14-20	120-190

Ordering information

Dimensions Packaging	82 mm 50/pk	82 mm 100/pk	200x200 mm 25/pk	220x220 mm 5/pk	300x300 mm 5/pk
Pore size 0.45 µm	1226559	1226561	1226573	1226568	1226569

Dimensions Packaging	300x300 mm 25/pk	150x3000 mm 1/pk	200x3000 mm 1/pk	300x3000 mm 1/pk
Pore size 0.45 µm	1226575	1226558	1226557	1226556