# **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 crosslinking. 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/cm<sup>2</sup>, 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 depenable 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/ cm² (d 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

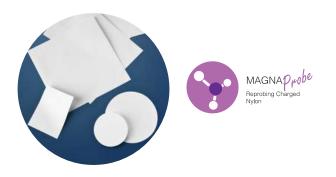
# Disks and Sheets

Ordering information	
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sizes	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
d)	0.22 µm		1213410				1213419
Por	0.45 µm	1213370 1214428*	1213372	1213373	1213375	1213379	1213380
-	*100/pk						

sizes	Dimensions Packaging	200x3000 mm 1/pk	300x3000 mm 1/pk	
e E	0.22 µm		1213405	
Ъ	0.45 µm	1213403	1213364	

# Reprobing Charged Nylon 66 (NY+)



GVS Nylon Reprobing Charged transfer membrane is a positively charged modified nylon 66 membrane, specifically designed to allow for numerous reprobings. The high binding capacity of 450 mg/cm<sup>2</sup> 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 "lotto-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.

# Features & Benefits

- Supported charged nylon 66 membrane
- Specifically designed for multiple reprobings
- Used for both radiolabelled & non-radiolabelled detection systems
- Can be used for alkaline blotting
- Nucleic acid binding is 450 µg/cm<sup>2</sup>
- Maximum Operating Temperature 356°F (180°C)
- Autoclavable

# **Typical Applications**

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

### **Product Characteristics**

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

# **Ordering information**

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

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