

Biodyne™ Precut Nylon Membranes

Pub. No. MAN0011214

Rev. B.0

Pub Part No. 2160284.3

77015 77016

Number	Description
77015	Biodyne A Precut Nylon Membranes , 8 × 12cm, 0.4µm, 25 each
77016	Biodyne B Precut Nylon Membranes , 8 × 12cm, 0.4µm, 25 each

Introduction

The Thermo Scientific Biodyne A and Biodyne B Nylon Membranes provide excellent resolution as a result of carefully controlled and uniform pore size. The membranes are resistant to heat and solvents and will not shrink, crack or tear.

Note: Always wear gloves when handling membranes because oils from fingers may prevent proper wetting. Also, proteins and other contaminants from hands may bind to the membranes and cause background.

Characteristic	Biodyne A Membranes	Biodyne B Membrane
Surface	<ul style="list-style-type: none"> • Contains 50% amino and 50% carboxyl groups • Superior signal-to-noise ratios resulting in high sensitivities • Extremely low background • Hydrophilic surface with an isoelectric point of pH 6.5 • Rapid wetting • Desiccation not required for storage 	<ul style="list-style-type: none"> • Modified with positive zeta potential • Enables high sensitivities • Rapid nucleic acid binding without UV light or baking • Enhances attraction of negatively charged biological molecules • Rapid wetting is possible • Desiccation not required for storage
Biochemical	<ul style="list-style-type: none"> • Strong DNA binding is achievable by baking or UV crosslinking • Lower backgrounds than nitrocellulose and most nylon transfer membranes 	<ul style="list-style-type: none"> • High density of strongly cationic quaternary ammonium groups • Zeta potential is possible to pH > 10 • Ideal for ionic binding negatively charged biomolecules
Binding	<ul style="list-style-type: none"> • Enables immobilization of up to 100µg/cm² of DNA or 200µg/cm² of protein 	<ul style="list-style-type: none"> • Enables immobilization of up to 100µg/cm² DNA or 200µg/cm² of protein
Solvent Resistance	<ul style="list-style-type: none"> • Resistant to acetone, alcohols, chlorinated aliphatic hydrocarbons, 100% formamide, 2M NaOH, DMSO, DMF and most other commonly used solvents • Not resistant to concentrated formic acid (> 50%), HCl (> 4M), oxidizing acids, and prolonged (days to weeks) exposure to pH < 2 	<ul style="list-style-type: none"> • Resistant to acetone, alcohols, chlorinated aliphatic hydrocarbons, 100% formamide, 2M NaOH, DMSO, DMF, and most other commonly used solvents • Not resistant to concentrated formic acid (> 50%), HCl (> 4M), oxidizing acids, and prolonged (days to weeks) exposure to pH < 2

Flammability	<ul style="list-style-type: none"> • Unaffected by extended exposure at atmospheric temperatures up to 100°C • Will not ignite at < 200°C; burns slowly if ignited and cannot be detonated 	<ul style="list-style-type: none"> • Unaffected by extended exposure to atmospheric temperatures up to 110°C • Will not ignite at < 200°C; burns slowly if ignited and cannot be detonated
Applications	<ul style="list-style-type: none"> • Southern (DNA), Northern (RNA) and Western (protein) transfers • Dot blots • Colony and plaque lifts • Gene probe assays • Enzyme immobilizations • Single assays and multiple probe rehybridizations 	<ul style="list-style-type: none"> • Enhanced ionic immobilization of nucleic acids and proteins

Related Products

89880	Chemiluminescent Nucleic Acid Detection Module Kit
20148	LightShift™ Chemiluminescent EMSA Kit
78833	NE-PER™ Nuclear and Cytoplasmic Extraction Reagents
88600	Western Blotting Filter Paper, 8cm × 10.5cm, 100 sheets
21059	Restore™ Western Blot Stripping Buffer, 500mL
34090	CL-XPosure™ Film (5" × 7"), 100 sheets
34091	CL-XPosure™ Film (8" × 10"), 100 sheets
21065	Pierce™ Background Eliminator Kit
NW04120BOX	Bolt™ Bis-Tris Plus protein gels (see thermofisher.com/proteingels for a complete listing)
XP04200BOX	Novex™ Tris-Glycine protein gels (see thermofisher.com/proteingels for a complete listing)

Biodyne is a trademark of Pall Corporation.

For research use only. Not for use in diagnostic procedures.

This product ("Product") is warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts ("Documentation") and to be free from defects in material and workmanship. Unless otherwise expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product ("Buyer").

No other warranties, express or implied, are granted, including without limitation, implied warranties of merchantability, fitness for any particular purpose, or non infringement. Buyer's exclusive remedy for non-conforming Products during the warranty period is limited to replacement of or refund for the non-conforming Product(s).

There is no obligation to replace Products as the result of (i) accident, disaster or event of force majeure, (ii) misuse, fault or negligence of or by Buyer, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage and handling of the Products.

Current product instructions are available at thermofisher.com. For a faxed copy, call 800-874-3723 or contact your local distributor.

© 2017 Thermo Fisher Scientific Inc. All rights reserved. Unless otherwise indicated, all trademarks are property of Thermo Fisher Scientific Inc. and its subsidiaries. Printed in the USA.