

MACHEREY-NAGEL

Accessory Guide

Bioanalysis



Equipment and Consumables

- MN Bioanalysis accessory products at a glance
- Convenient and flexible handling
- Optimized solutions adapted to individual demands

Introduction

	Technology	Format	Processing
NucleoBond®	Anion exchange chromatography	Columns (Mini to preparative scale)	Gravity flow
		96-well plate	Gravity flow
NucleoFast®	Ultrafiltration	96-well plate	Centrifugation, vacuum
NucleoMag®	Magnetic beads	Flexible (1 – 384)	Magnetic separation
NucleoSEQ®	Gel filtration	Mini spin column	Centrifugation
NucleoSnap®	Silica membrane	Snap off column	Vacuum (centrifugation for elution)
		Spin columns (extra Mini to Maxi)	Centrifugation, vacuum
NucleoSpin®	Silica membrane	8-well strips	Centrifugation, vacuum
		96-well plate	Centrifugation, vacuum
Protino®	Affinity chromatography	Aqueous suspension, bulk material	Batch binding, gravity flow, FPLCTM
		Columns (Mini to Maxi)	Gravity flow
		FPLCTM columns	FPLCTM
		96-well plate	Centrifugation, vacuum, gravity flow

Depending on the chosen format, these utilities are designed for optimal performance, ensuring the highest yield and quality of purified nucleic acids and proteins. Various processing methods necessitate specific tools, which can encompass everything from dedicated equipment to multi-use and single-use products. This guide provides a comprehensive overview of all our available accessories.

For any queries or assistance, do not hesitate to reach out to our dedicated support team. E-Mail: orders@dmarkbio.com

Scan the QR code or use the following link to access the digital version of this accessories manual

<https://dmarkbio.com/pages/promotions>

The online version includes active links that will directly take you to the product page, providing more detailed information.



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Overview

NucleoBond® – Anion exchange chromatography®

Our NucleoBond technology is based on solid phase anion exchange chromatography and the perfect choice for ultrapure, transfection-grade plasmid DNA. The gravity flow columns are available in different formats from Mini to preparative scale.



NucleoMag® – Magnetic bead based technology®

Our NucleoMag technology enables a magnetic bead based preparation of RNA and DNA. The nucleic acids adsorb to superparamagnetic beads in the presence of chaotropic salts. The NucleoMag® technology is well suited for automated use.



NucleoSpin® – Silica membrane technology

Our NucleoSpin technology enables rapid and easy RNA and DNA purification. The chaotropic salt based silica membrane purification is available for low (single columns), medium (8-well strips) or high throughput (96-well plates) approaches and for extra small (XS) to large scale (Maxi) nucleic acid preparations.



Overview

NucleoFast® – Ultrafiltration technology

The NucleoFast® technology is an ultrafiltration and enables cost efficient clean-up of DNA in proven 96-well plate format.



NucleoSnap® – Silica membrane technology

Our NucleoSnap technology is a chaotropic salt supported precipitation and filtration procedure. We have especially developed the snap-off column to process large sample volumes easily. Before elution, the funnel part is snapped off and nucleic acids are directly eluted in a Mini spin column.



NucleoSEQ® – Gel filtration

Our NucleoSEQ® technology was especially developed for efficient removal of sequencing dye terminators without alcohol precipitation. It is a filtration technology which works with size exclusion.



Equipment

Equipment

Whether your scientific research involves working with nucleic acids or proteins, we equip you with the essential tools and apparatus. Different experimental setups necessitate distinct processing techniques, all of which can be accomplished using our equipment.

Researchers employing nucleic acids or proteins utilize various methods to ensure efficient and effective extraction. We provide specialized equipment for processing samples using magnetic beads, centrifugation, or vacuum techniques.

Magnetic beads serve as a versatile tool in the separation and purification of cells, nucleic acids, and proteins. Our magnetic bead processing equipment is designed to accommodate a broad range of sample volumes, ensuring high efficiency and reproducibility.

Centrifugation, a fundamental technique in the separation of components based on their size, shape, and density, is facilitated by our range of supplementary equipment. Lastly, for applications that require the use of a vacuum, we offer vacuum equipment meticulously designed to provide precise control over your extraction or purification process.









NucleoMag® SEP Mini








NucleoVac® 96 Vacuum Regulator

General Equipment





	Product	REF	Package unit	Information
	BIO-LAB-TOP	MN-740800	50 Pieces	Protection of laboratory surfaces from spills, precut. Dimensions: 0,48 m x 60 cm.
	BIO-LAB-TOP	MN-740810 MN-740820 MN-740821	1 Piece	Protection of laboratory surfaces from spills. Dimensions: 0.48 m x 50 m / 0.6 m x 50 m / 0.6 m x 100 m.
	MN Frame	MN-740680	1 Piece	For optimized handling of 96-well plates with vacuum manifold. Suited for HTP and automation.
	MN positive Pressure Frame	MN-740474	1 Piece	Adaptor frame for the direct filtration of crude lysate from NucleoSpin® Filter Plates into NucleoSpin® Bonding Plates. Suited for HTP and automation.
	MN Reaction Tube Rack	MN-740736.5	5 Pieces	Rack for use with 80 reaction tubes (1.5 mL and 2 mL).
	MN Shaker Frame	MN-740489	1 Piece	Adapter frame for shaking Protino® and NucleoSpin® 96-well plates. Suited for HTP and automation.

Equipment

Equipment NucleoBond®









	Product REF	Package unit	Information
	NucleoBond® PC 10000 Rack MN-740599	1 Piece	Rack for use with NucleoBond® PC 10000, NucleoBond® PC 10000 EF and AX 10000 Columns. Up to five columns can be used in parallel.
	NucleoBond® Rack Large MN-740563	1 Piece	Rack for use with NucleoBond® AX 500, AX 2000, AX 10000, BAC 100, and Xtra Midi Columns. Up to eight columns can be used in parallel.
	NucleoBond® Rack Small MN-740562	1 Piece	Rack for use with NucleoBond® AX 20 Columns. Up to ten columns can be used in parallel.
	NucleoBond® Smart Rack MN-740413	1 Piece	Rack for use with NucleoBond® Xtra Midi / Maxi, Xtra BAC, AX 20, AX 100, AX 500, AX 2000, and AX 10000 Columns. Up to four maxi columns and 6 midi columns can be used in parallel.
	NucleoBond® Xtra Combi Rack MN-740415	1 Piece	Rack for use with NucleoBond® Xtra Midi / Maxi, Xtra BAC, AX 100, AX 500, AX 2000, and AX 10000 Columns. Up to four maxi columns, 6 midi columns and eight 15 mL reaction tubes or AX20 columns with plastic washers can be used in parallel.

Equipment NucleoMag®

	Product REF	Package unit	Information
	NucleoMag® 24 SEP MN-744903	1 Piece	Magnetic separator, for use with 24-well plates. Suited for HTP and automation.
	NucleoMag® SEP MN-744900	1 Piece	Magnetic separator, for use with 96-well plates. Suited for HTP and automation.
	NucleoMag® SEP Maxi MN-744902	1 Piece	Magnetic separator, for use with 4 × 50 mL Falcon tubes. Magnetic separator, for use with 4 × 50 mL reaction tubes
	NucleoMag® SEP Mini MN-744901	1 Piece	Magnetic separator, for use with 12 × 1.5 mL or 2 mL reaction tubes.

Equipment

Equipment NucleoVac®

	Product	REF	Package unit	Information
	NucleoVac® 24 Vacuum Manifold	MN-740299	1 Piece	Vacuum Manifold for processing 1 – 24 NucleoSpin® or NucleoSnap® column.
	NucleoVac® Mini Adapters	MN-740297.100	100 Pieces	Luer adapters for connecting NucleoSpin® or NucleoSnap® columns to NucleoVac® 24 Vacuum Manifold.
	NucleoVac® Valves	MN-740298.24	24 Pieces	Valves for handling different flow rates of NucleoSpin® and NucleoSnap® columns on a NucleoVac® 24 Vacuum Manifold.
	NucleoVac® Vacuum Regulator	MN-740641	1 Piece	Vacuum regulator to be used with NucleoVac® 24 / 96 Vacuum Manifold, for controlling of vacuum. Suited for HTP and automation.
	NucleoVac® 96 Vacuum Manifold	MN-740681	1 Piece	Vacuum Manifold for connecting NucleoSpin® or NucleoSnap® columns to NucleoVac® 24 Vacuum Manifold. Suited for HTP and automation.
	NucleoVac® 96 Spacer Set	MN-740247	1 Set	Spacer for processing Microtube Rack, Square-well Block, Multi 96 Plate / MTP, Deep-well Block on NucleoVac® 96 Vacuum Manifold. Suited for HTP and automation.
	NucleoVac® 96 Waste Container	MN-740639	1 Piece	Waste container for NucleoVac® 96 Vacuum Manifold. Suited for HTP and automation.
	NucleoSpin® Dummy Strips	MN-740685	6 Pieces	For sealing unused rows of Column Holders A and B during vacuum processing of NucleoSpin® 8-well kits. Suited for HTP and automation.
	Replacement Gasket for NucleoVac® 96	MN-740248	2 Pieces	Set of two gasket for the NucleoVac® 96 Vacuum Manifold.
	Support Frame for Column Holder A	MN-740480	1 Piece	Support frame for using Column Holders A in a centrifuge. Suited for HTP and automation.

Bead beating

Bead beating




Bead beating is an essential step for mechanical homogenization of difficult sample materials. We have developed a series of bead types and compositions, each suited for a different kind of sample input. Explore our Bead Tube solutions for mechanical disruption of various sample types or consider 96-well formats for higher throughput workflows.



For more information about our bead beating solutions visit our website.











Bead Plates

	Product	REF	Package unit 1	Information
	MN 96 Bead Plate Type A	MN-740850.1 / .4 / .24	1 / 4 / 24 Set(s)	Rack of prefilled tube strips (8 × 12) containing 0.6 – 0.8 mm ceramic beads for homogenization.
	MN 96 Bead Plate Type B	MN-740851.1 / .4 / .24	1 / 4 / 24 Set(s)	Rack of prefilled tube strips (8 × 12) containing 40 – 400 µm glass beads for homogenization.
	MN 96 Bead Plate Type D	MN-740853.1 / .4 / .24	1 / 4 / 24 Set(s)	Rack of prefilled tube strips (8 × 12) containing 3 mm steel beads for homogenization.



Bead beating

2 mL Bead Tubes

	Product	REF	Package unit	Information
	MN Bead Tube Holder	MN-740469	1 Piece	Rubber-foam adapter for processing MN Bead Tubes with Vortex-Genie 2.
	MN Bead Tubes Type A	MN-740786.50	50 Pieces	2 mL tubes with 0.6 – 0.8 mm ceramic beads; for homogenization of soil, sediments, and stool.
	MN Bead Tubes Type B	MN-740812.50	50 Pieces	2 mL tubes with 40 – 400 µm glass beads; for homogenization of Gram-positive and Gram-negative bacteria.
	MN Bead Tubes Type C	MN-740813.50	50 Pieces	2 mL tubes with 1 – 3 mm corundum; for homogenization of yeast and fungi.
	MN Bead Tubes Type D	MN-740814.50	50 Pieces	2 mL tubes with 3 mm steel beads; for homogenization of insects, crustaceans, lipid rich tissue.
	MN Bead Tubes Type E	MN-740815.50	50 Pieces	2 mL tubes with 3 mm steel beads and 40 – 400 µm glass beads; for homogenization of bacteria within insects or tissue samples.
	MN Bead Tubes Type F	MN-740816.50	50 Pieces	2 mL tubes with 1 – 3 mm corundum and 3 mm steel beads; for homogenization of challenging tissues, e. g., spleen, or lung tissue.
	MN Bead Tubes Type G	MN-740817.50	50 Pieces	2 mL tubes with 5 mm steel beads; for homogenization of plant material.

Bead beating

5 mL Bead Tubes

	Product	REF	Package unit	Information
	MN Bead Tube Holder (5 mL)	MN-740459	1 Piece	Rubber-foam adapter for processing MN Bead Tubes 5 mL with Vortex-Genie 2
	MN Bead Tubes Type A (5 mL)	MN-740799.50	50 Pieces	5 mL tubes with 0.6 – 0.8 mm ceramic beads; for homogenization of 47 mm filter membranes

Bulk Beads

	Product	REF	Package unit	Information
	MN Beads Type A (bulk)	MN-740786.B.250	400 g	0.6 – 0.8 mm ceramic beads; for homogenization of soil, sediments, and stool.
	MN Beads Type B1 (bulk)	MN-740809.B.5000	750 g	40 – 70 µm glass beads; for homogenization of Gram-positive and Gram-negative bacteria.
	MN Beads Type B2 (bulk)	MN-740812.B.1000	750 g	0.3 – 0.4 mm glass beads; for homogenization of Gram-positive and Gram negative bacteria.
	MN Beads Type C (bulk)	MN-740813.B.250	200 g	1 mm corundum; for homogenization of yeast and fungi.
	MN Beads Type D (bulk)	MN-740814.B.1000	500 g	3 mm steel beads; for homogenization of insects, crustaceans, lipid rich tissue.
	MN Beads Type G (bulk)	MN-740817.B.250	500 g	5 mm steel beads, for homogenization of plant material.

Consumables

Consumables







Laboratory work necessitates the use of versatile, durable, and dependable consumables. These products can vary widely, encompassing everything from basic reaction tubes and 96-well format plates to culture plates.

A wide range of our consumables can also be used to automate your processing workflow. Visit our website for more information about our offerings on automatable kits, consumables, and our automation partners.



MN Wash Plate








Consumables

	Product REF	Package unit	Information
	Collection Tubes (2 mL), no lid MN-740600.4	1000 Pieces	2 mL collection tubes without lids.
	Snap Tubes 15 mL MN-740822.50	50 Pieces	15 mL conical centrifuge tubes with snap lid.
	Snap Tubes 50 mL MN-740822.50	50 Pieces	50 mL conical centrifuge tubes with snap lid.
	NucleoSpin® Funnel Columns MN-740959	30 Sets	Set of NucleoSpin® Funnel Column and Collection Tube (0.5 mL).
	Gas-permeable Foil MN-740675	50 Pieces	Foil to cover square-well blocks during incubation of bacterial cultures. Suited for HTP and automation.
	Self-adhering PE Foil MN-740676	50 Pieces	Adhesive tape foils for airtight sealing and storage of 96-well elution plates. Suited for HTP and automation.






Consumables

	Culture Plate	MN-740488 / .24	4 / 24 Pieces	96-well blocks with 2.1 mL square wells, including Gas-permeable Foils suitable for incubation of bacterial cultures. Suited for HTP and automation.
	24-Square-well Block 10 mL	MN-740679.4	4 Pieces	24-well block with 10 mL deep square wells with silicone lid, pack of 4.
	Lysis Block	MN-740484	4 Pieces	96-well blocks with 2 mL wells for use with NucleoSpin® 96 Blood kits. Suited for HTP and automation.
	Round-well Block Low U-bottom	MN-740482 / .20	4 / 20 Pieces	96-well blocks with 1.25 mL U-bottom round wells. Suited for HTP and automation.
	Round-well Block Low U-bottom with self-adhering foil	MN-740487 / .24	4 / 24 Sets	96-well blocks with 1.25 mL U-bottom round wells, including Self-adhering Foils. Suited for HTP and automation.
	Round-well Block with Cap Strips	MN-740475 / .24	4 / 24 Sets	Set consists of a 96-well block with 1.2 mL round wells and 12 Cap Strips. Suited for HTP and automation.
	Round-well Blocks	MN-740671	20 Pieces	96-well blocks with 1.2 mL round wells. Suited for HTP and automation.
	Square-well Block	MN-740481 / .24	4 / 24 Pieces	96-well blocks with 2.1 mL square wells for use with NucleoMag® SEP. Suited for HTP and automation.
	MN Square-well Block	MN-740476 MN-740678 MN-740476.24	4 / 20 / 24 Pieces	96-well blocks with 2.1 mL square wells, suitable for centrifugation of waste collection.
	MN Wash Plates	MN-740674 / .4 / .24	4 / 20 / 24 Pieces	96-well funnel plates to minimize the risk of cross-contamination. Suited for HTP and automation.

Consumables

	Elution Plate Flat-bottom	MN-740673	20 Pieces	96-well microplates with 370 µL flat-bottom wells. Suited for HTP and automation.
	Elution Plate U-bottom including Self-adhering Foils	MN-740486.24	24 Pieces	96-well microplates with 300 µL U-bottom wells, including Self-adhering Foils. Suited for HTP and automation.
	Elution Plates U-bottom	MN-740672	20 Pieces	96-well microplates with 300 µL U-bottom wells. Suited for HTP and automation.
	Rack of Tube Strips	MN-740637	5 Sets	Set consists of a rack, 12 strips with 8 tubes each. Suited for HTP and automation.
	Rack of Tube Strips with CapStrips	MN-740477 / .24	4 / 24 Sets	Set consists of a rack, 12 strips with 8 tubes each, and 12 Cap Strips. Suited for HTP and automation.
	Cap Strips	MN-740478 / .24	48 / 288 Pieces	Cap Strips for sealing of Tube Strips or Round-well Blocks. Suited for HTP and automation.
	8-well Tip Combs for magnetic rod system	MN-744960	50 pieces	8-place tip combs for magnetic rod systems. The 8-place magnetic tip combs lock into position inside the instruments processing chamber. The tip combs are ideal for magnetic bead processing; the special design enables excellent recovery of magnetic beads. Suited for HTP and automation.
	Deep-well Tip Combs for KingFisher™	MN-744956	4 Pieces	96 Deep-well Tip Combs for use of NucleoMag® kits on KingFisher™ platforms. Suited for HTP and automation.
	96 Deep-well plates for magnetic rod systems	MN-744955	25 Pieces	96-Deep-Well plates with 2 mL wells for use with magnetic rod systems. Suited for HTP and automation.
	96-well Accessory Kit A for KingFisher™	MN-744950	1 Set	For 4 × 96 NucleoMag® Tissue / Trace / Virus preps using a KingFisher™ 96 platform 1 Set includes 4 square-well blocks, 4 deep-well tip combs and 4 elution plates. Suited for HTP and automation.

Consumables

	96-well Accessory Kit B for KingFisher™	MN-744951	1 Set	<p>For 4 × 96 of NucleoMag® Blood 200 µL and NucleoMag® Plant / RNA preps using a KingFisher™ 96 platform</p> <p>1 Set includes 5 square-well blocks, 4 deep-well tip combs and 4 elution plates.</p> <p>Suited for HTP and automation.</p>
	Starter Set Midi	MN-740744	1 Set	<p>For processing NucleoSpin® Midi Columns under Vacuum Manifold or similar manifolds.</p>
	Starter Set A	MN-740682	1 Set	<p>For processing NucleoSpin® 8-well strips under vacuum on the NucleoVac® 96 Vacuum Manifold or similar manifolds.</p> <p>1 Set includes 2 columns holders A and 12 NucleoSpin® Dummy Strips.</p> <p>Suited for HTP and automation.</p>
	Starter Set B	MN-740683	1 Set	<p>For processing NucleoSpin® 8-well strips on the Qiagen BioRobots 9600 / 9604 / 3000.</p> <p>1 Set includes 1 column holder B, 1 column holder D and 12 NucleoSpin® Dummy Strips.</p> <p>Suited for HTP and automation.</p>
	Starter Set C	MN-740684	1 Set	<p>For processing NucleoSpin® 8-well strips under centrifugation.</p> <p>1 Set includes 2 column holders C, 2 rack of tube strips and 2 MN Square-well blocks.</p> <p>Suited for HTP and automation.</p>

All plates except the MN square well block use the SBS standard format.

Filtration and Decontamination

Filtration and Decontamination

Filtration and decontamination are crucial steps in the preparation of DNA and protein samples for various applications in research and diagnostics.

Filtration is often the first step in sample preparation. It helps remove particulate matter and unwanted debris from the sample. For DNA and protein samples, filtration can be performed using various methods, such as centrifugation, microfiltration, or ultrafiltration. The choice of method depends on the sample type and the downstream applications. We offer a variety of different filters to cover all your needs.


Decontamination is essential to ensure the purity of DNA and protein samples. It involves the removal of contaminants that could interfere with subsequent analyses or experiments. These contaminants could be enzymes, lipids, salts, or staining solutions.

It's important to note that the specific methods and protocols for filtration and decontamination can vary widely depending on the nature of the sample and the intended downstream application. Therefore, researchers often need to optimize these processes based on their specific needs and constraints.




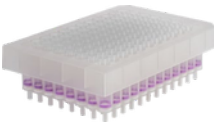




A) MN Sterilizer CA
B) BondEx Starter kit for decontamination of fluorescent staining solutions

Filtration







	Product	REF	Package unit	Information
	NucleoBond® Bottle Top Filter Type 1	MN-740547.5	5 Pieces	NucleoBond® Bottle Top Filters to be used with NucleoBond® AX 2000 Columns
	NucleoBond® Bottle Top Filter Type 2	MN-740553.5	5 Pieces	NucleoBond® Bottle Top Filters to be used with NucleoBond® AX 10000 Columns
	NucleoBond® Folded Filters	MN-740561	50 Pieces	Folded filters for NucleoBond® AX 100 Columns
	NucleoBond® Folded Filters XL	MN-740577	50 Pieces	Folded filters for NucleoBond® AX 500 and AX 2000 Columns
	MN Sterilizer CA, Cellulose acetate, 28 mm membrane diameter, 0.2 µm pore size	MN-740401.50	50 Pieces	Sterile filtration and removal of particles from aqueous solutions. These syringe filters are pre-sterilized with ethylene oxide. Temperature stability is up to 50 °C and the pressure stability for the cellulose membrane is about 4.5 bar
	Glass Fiber Filter (45 mm, EO-treated)	MN-740564	50 Pieces	Glass Fiber Filter (45 mm, EO-treated) is intended for retention of environmental DNA (eDNA) from water samples

Filtration and Decontamination

	NucleoSpin® Filters	MN-740606	50 Pieces	Mini columns for filtration of cell homogenates.
	NucleoSpin® Filters Midi	MN-740607	50 Pieces	Midi columns for filtration of cell homogenates.
	NucleoSpin® Filters XL	MN-740605	50 Pieces	Maxi columns for filtration of cell homogenates.
	NucleoSpin® Plasmid Filter Strips	MN-740730.48F	48 Pieces	NucleoSpin® Plasmid filter stripes for plasmid DNA purification. Suited for HTP and automation.
	NucleoSpin® 96 Plasmid Filter Plates	MN-740483 MN-740708.24F MN-740708.100F	4 / 24 Pieces	NucleoSpin® 96-well filter plate for plasmid DNA purification Package unit: 4 / 24 / 100 pieces. Suited for HTP and automation.
	NucleoSpin® Forensic Filters, blistered	MN-740988.10 / .50 / .250	10 / 50 / 250 Pieces	For separation of lysate and trace material; NucleoSpin® Forensic Filters inserted into Collection Tubes and blistered; filters are ethylene oxide treated for removal of PCR detectable DNA.
	NucleoSpin® Forensic Filters, bulk	MN-740988.50B / .250B / .1000B	50 / 250 / 1000 Pieces	For separation of lysate and trace material; blistered in one bag; filters are ethylene oxide treated for removal of PCR detectable DNA.
	NucleoSpin® Trace Filter Plate	MN-740677	20 Pieces	For lysis of samples and subsequent removal of particulate matter, for use under vacuum or centrifugation. Suited for HTP and automation.
	NucleoSpin® RNA Filter Strips	MN-740699.12F / .60F	12 / 60 Pieces	8-well strips for filtration of cell and tissue homogenates. Suited for HTP and automation.
	NucleoSpin® 96 RNA Filter Plates	MN-740711	4 Pieces	For filtration of cell and tissue homogenates, for use under vacuum or centrifugation. Suited for HTP and automation.










Filtration and Decontamination

Receiver Columns and Plates

	Product	REF	Package unit	Information
	Receiver Columns 35 µm	MN-740524.10 / .50 / .250	10 / 50 / 250 Pieces	Mini spin columns with inserted hydrophobic frit of 35 µm pore size.
	Receiver Plates 10 µm	MN-740989.4	4 Pieces	96-well plates with inserted filter frits of 10 µm pore size suitable for centrifugation and vacuum. Suited for HTP and automation.
	Receiver Plates 35 µm	MN-740512.4	4 Pieces	96-well plates with inserted filter frits of 35 µm pore size suitable for centrifugation and vacuum. Suited for HTP and automation.
	Receiver Plates 35 µm hydrophilized	MN-740513.4	4 Pieces	96-well plates with inserted hydrophilized filter frits of 35 µm pore size suitable for gravity flow, centrifugation, and vacuum. Suited for HTP and automation.
	Receiver Plates 50 µm	MN-740688.4	4 Pieces	96-well plates with inserted filter frits of 50 µm pore size suitable for centrifugation and vacuum. Suited for HTP and automation.
	Receiver Plates 50 µm hydrophilized	MN-740689.4	4 Pieces	96-well plates with inserted hydrophilized filter frits of 50 µm pore size, suitable for gravity flow, centrifugation, and vacuum. Suited for HTP and automation.

Filtration and Decontamination

Decontamination and Desalting

	Product	REF	Package unit	Information
	NucleoMag® Desalting Beads	MN-744410.50	50 preps	Convenient and scalable desalting of anion exchange eluates using magnetic beads.
	NucleoBond® Finalizer	MN-740519.20 / .100	Set of 20 / 100	Convenient syringe filter for speeding up anion exchange plasmid preparations by providing a faster desalting solution. 20 Set includes 20 finalizer, 2 syringes (30 mL) and 10 syringes (1 mL) 100 Set includes 100 finalizer, 10 syringes (30 mL) and 10 syringes (1 mL)
	NucleoBond® Finalizer Plus	MN-740520.20	Set of 20	Convenient syringe filter for speeding up anion exchange plasmid preparations by providing a faster desalting solution. Set includes 20 finalizer, 20 syringes (30 mL) and 20 syringes (1 mL)
	NucleoBond® Finalizer Large	MN-740418.20 / .100	20 / 100 Sets	Convenient syringe filter for speeding up anion exchange plasmid preparations by providing a faster desalting solution. 20 Set includes 20 finalizer, 2 syringes (30 mL) and 10 syringes (1 mL) 100 Set includes 100 finalizer, 10 syringes (30 mL) and 10 syringes (1 mL)
	NucleoBond® Finalizer Large Plus	MN-740419.20	Set of 20	Convenient syringe filter for speeding up anion exchange plasmid preparations by providing a faster desalting solution. Set includes 20 finalizer, 20 syringes (30 mL) and 20 syringes (1 mL)
	NucleoSpin® Finisher Midi	MN-740439.10 / .50	10 / 50 Preps	Fast concentration and desalting of plasmid DNA by centrifugation.
	NucleoSnap® Finisher Midi	MN-740434.10 / .50	10 / 50 Pieces	The fastest way to desalt and concentrate DNA after your NucleoBond® plasmid preparations.
	NucleoSnap® Finisher Maxi	MN-740435.10 / .50	10 / 50 Pieces	The fastest way to desalt and concentrate DNA after your NucleoBond® plasmid preparations.
	BondEX Starter kit for decontamination of fluorescent staining solutions	MN-740701	1 Set	Fast and easy decontamination of EtBr or SYBR Green containing solutions.

Filtration and Decontamination



BondEX 50, refill set
for decontamination of
fluorescent staining solutions

MN-740703

5 Sets

Fast and easy decontamination of EtBr or SYBR
Green containing solutions.

BondEX Folded Filters XL

MN-740705

50 Pieces

Filters to be used with BondEX, for filtration of
solutions.

Protein purification and analysis

Protein purification and analysis

Affinity chromatography, a technique extensively employed in biochemistry and biotechnology, is a powerful tool for the purification of proteins, nucleic acids, and other biomolecules. Its high selectivity allows for a significant degree of purification in just one step.

This method finds its applications in various fields, including the purification of antibodies, isolation of enzymes, and exploration of molecular interactions.

Our proprietary Protino® technology leverages the principles of affinity chromatography. It offers solutions for protein purification using His-tag (via metal ion affinity chromatography) and GST-tag (via affinity chromatography), catering to different throughputs and available in various formats.

Biomolecule blotting is a key technique in molecular biology, used to detect specific proteins, DNA, or RNA molecules in a sample. The process involves transferring the biomolecules from a gel onto a membrane, followed by the application of a probe that binds to the target molecule.

There are three main types of blotting techniques:

- Western blotting for proteins
- Southern blotting for DNA
- Northern blotting for RNA





Each technique uses a specific probe (antibodies for proteins, complementary DNA for Southern, and complementary RNA for Northern) to detect the presence and quantity of the target molecule. For this purpose, the biomolecule is transferred from a gel to a membrane with the use of additional blotting paper. The probe binding is then visualized, often using fluorescence or radioactivity, providing valuable

information

about the molecule's size and abundance.

These blotting techniques are fundamental tools in fields such as genetics, cell biology, biochemistry, and medical diagnostics. They allow scientists to study gene expression, protein function, and genetic disorders, among other things.


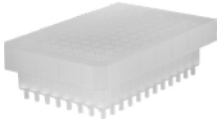


Protino® adapters and plastics

	Product	REF	Package unit	Information
	Protino® 1/4 – 28 Adaptor Set	MN-745261	1 Set	Adaptor set for connection of Protino® FPLC columns via 1/4 – 28 connectors.
	Protino® M6 Adaptor Set	MN-745260	1 Set	Adaptor set for connection of Protino® FPLC columns via M6 connectors.
	Protino® inlet Luer Adaptor	MN-745262	1 Piece	Adaptor for connection of Protino® FPLC column inlets via 1/16 ID tubing connector.
	Protino® Inlet PP Adaptor	MN-745263	1 Piece	Adaptor for connection for Protino® FPLC column inlets via 1/16 ID tubing connector.







Porablot Nitrocellulose membrane

Protein purification and analysis

	Protino® Luer Adaptor Set	MN-745264	1 Set	Adaptor set for connection of Protino® FPLC columns via Luer connectors.
	Protino® Purification Plate	MN-745426.1 / .4	1 / 4Piece(s)	96-well plate with special filter frit suitable for centrifugation and vacuum. Suited for HTP and automation.
	Protino® Columns 14 mL	MN-745250.10	10 Pieces	Gravity flow columns with filter frits to be used with Protino® Ni-TED / IDA Resin, Protino® Ni-NTA Agarose, or Protino® Glutathione Agarose 4 B.
	Protino® Columns 35 mL	MN-745255.10	10 Pieces	Gravity flow columns with filter frits to be used with Protino® Ni-TED / IDA Resin, Protino® Ni-NTA Agarose, or Protino® Glutathione Agarose 4 B.

Blotting paper and membranes

	Product	REF	Package unit	Information
	Blotting paper MN 218 B	MN-742139 MN-742137 MN-742138 MN-742115 MN-742131 MN-742112 MN-742113 MN-742111	100 Pieces	Market leading paper quality for reliable biomolecule blottings – MN 218 B 70 mm x 100 mm / 93 mm x 80 mm / 150 mm x 200 mm / 200 mm x 200 mm / 210 mm x 90 mm / 300 mm x 600 mm / 570 mm x 460 mm / 580 mm x 600 mm.
	Blotting paper MN 440 B	MN-742125	100 Pieces	Market leading paper quality for reliable biomolecule blotting – MN 440 B Dimensions: 580 mm x 600 mm.
	Blotting paper MN 827 B	MN-742118 MN-742120 MN-742128	100 Pieces	Market leading paper quality for reliable biomolecule blottings – MN 827 B Dimensions: 580 mm x 600 mm / 200 mm x 200 mm / 160 mm x 160 mm.
	Porablot Nitrocellulose membrane for blotting applications	MN-741280	1 Piece	Nitrocellulose membrane for high quality transfer membranes for biomolecule analysis. Dimensions: 0.3 m x 3 m.

Protein purification and analysis

	Porablot Nitrocellulose membrane with supporting tissue for blotting	MN-741290	1 Piece	Nitrocellulose membrane for high quality transfer membranes for biomolecule analysis. Dimensions: 0.3 m x 3 m.
	Porablot Nitrocellulose membrane with supporting tissue for blotting	MN-741291	10 Pieces	Nitrocellulose membrane for high quality transfer membranes for biomolecule analysis. Dimensions: 200 mm x 200 mm.
	Porablot PVDF membrane for high quality blotting applications	MN-741260	1 Piece	PVDF membrane for high quality transfer membranes for biomolecule analysis. 0.25 m x 3 m.

Enzymes






Enzymes

We offer enzymes for the degradation or modification of nucleic acids. RNase and DNase are nucleases that can cleave RNA and DNA, respectively. These nucleases can be used to remove unwanted RNA or DNA from your sample to ensure highest purity.

Proteinase K is a serine protease that can digest a wide range of proteins, including nucleases. Proteinase K is commonly used in molecular biology applications to isolate or prepare high molecular weight nucleic acids by removing unwanted proteins.

Proteinase K is stable in a wide range of pH, temperature, and can withstand many detergents and denaturing agents.

Enzymes

	Product	REF	Package unit	Information
	Liquid RNase A	MN-740397	2.5 mL	Liquid RNase A for RNA digestion. Primarily intended to be used with NucleoSpin® and NucleoBond® kits.
	Lyophilized RNase A	MN-740505 / .30 / .50	30 / 50 / 100 mg	Lyophilized RNase A for RNA digestion. Primarily intended to be used with NucleoSpin® and NucleoBond® kits.
	rDNase Set	MN-740963	1 Set	For digestion of DNA in solutions (e. g., prepurified RNA samples) or for use with NucleoSpin® RNA kits (on-column DNA digest). Includes 7 mL optimized Reaction Buffer for rDNase for best DNase performance.
	Lyophilized Proteinase K	MN-740506.30 / .75 / .100	30 / 75 / 100 mg	For protein digestion in biological samples and inactivation of RNases and DNases.
	Liquid Proteinase K	MN-740396 / .30	5 / 30 mL	Ready to use proteinase K for protein digestion in biological samples and inactivation of RNases and DNases.

Sample storage

Sample storage








DNA and RNA are important molecules for the storage and transmission of genetic information in living organisms. DNA is the permanent genetic storage medium located in the nucleus of most cells, while RNA is the medium that transfers genetic information from the nucleus to the cytoplasm where proteins are synthesised.

DNA and RNA have different chemical structures and stabilities. DNA is more stable than RNA because it does not have a 2'-hydroxyl group, which occur more frequently than DNases. Therefore, RNA must be handled and stored more carefully than DNA.

The best method for storing DNA and RNA depends on the duration and purpose of storage.

We offer suitable stabilising storage media for both DNA and RNA.

Sample storage

	Product	REF	Package unit	Information
	NucleoCard®	MN-740403.10 / .100	10 / 100 Pieces	Blood sample storage card for subsequent DNA extraction.
	NucleoProtect® RNA	MN-740400.50 / .250 / .5000	50 / 250 / 500 mL	Aqueous reagent for stabilizing and storing tissue RNA, quickly penetrating tissues to safeguard cellular RNA.
	NucleoProtect® VET Reagent	MN-740750.50 / .500	50 / 500 mL	For DNA / RNA stabilization, transportation, and inactivation of infectious veterinary specimens for molecular diagnostic purpose.
	NucleoProtect® VET Blood Tube	MN-740755	50 Pieces	Blood tube for collection of animal whole blood samples, pre-filled with NucleoProtect® VET reagent (4 mL).
	Secondary caps for NucleoProtect® VET Blood Tubes	MN-740756	100 Pieces	Sealing caps for NucleoProtect® VET Blood Tubes.
	NucleoProtect® VET Swab Tube	MN-740760	50 Pieces	Swab tube for collection of animal swab samples, pre-filled with NucleoProtect® VET reagent (1.5 mL).
	Secondary caps for NucleoProtect® VET Swab Tubes	MN-740761	100 Pieces	Sealing caps for NucleoProtect® VET Swab Tubes.

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