

## User manuals

### NucleoVac 24 Vacuum Manifold 740299



Dear valued customer,

Thank you for choosing MACHEREY-NAGEL for your application. We have attached a short protocol for your review.

To obtain the best results we recommend to follow the detailed protocol available online, especially when you are a first time user of this kit.

All important links to the above mentioned product are listed in this leaflet.

Important information regarding product components, specifications, safety instructions, and processing protocols, can all be found on the product website and accessed easily via the QR code.

#### QR-Code product website



[qr.mn-net.com/qr/\(241\)740299](http://qr.mn-net.com/qr/(241)740299)

#### Product description

The NucleoVac 24 Vacuum Manifold allows the parallel processing of silica columns for nucleic acid purification by vacuum. The silica columns (e.g., NucleoSpin® columns, NucleoSnap® columns) can be attached to the upper luer slots of the vacuum manifold. Binding and washing steps of the NucleoSpin® or NucleoSnap® procedures are carried out by vacuum instead of centrifugation, enabling time-saving procedures (NucleoSpin® products) and processing of large sample volumes (NucleoSnap® products). The NucleoVac Vacuum Manifold cannot be used in combination with NucleoBond® Columns. For processing NucleoSnap® kits, please refer to the kit's user manual.

It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the purification procedure.

We are constantly improving our products and we reserve the right to make changes or additions to protocols. Please check for updated revisions for previously downloaded manuals.

#### Contents

NucleoVac 24 Vacuum Manifold	
REF	740299
Vacuum manifold	1
NucleoVac Mini Adapter	24
Luer plugs	24
Tubing connection	2
Closing plug	1
Leaflet	1

#### Setup of the NucleoVac 24 Vacuum Manifold

See figures on reverse page

Close the lower threaded opening of the NucleoVac 24 Vacuum Manifold with the rubber closing plug ❶. Screw in the tubing connection ❷ in the upper opening ❸ manually. Do not use a wrench as the conical screw thread might crack if the connection is over-tightened. Attach tube (not included in the product).

*Note:* The product contains two different tubing connections for different tube diameters. Make sure to choose the tubing connection that enables complete tightness.

Connect NucleoVac 24 Vacuum Manifold to a vacuum source by attaching the tube to the vacuum source inlet.

*Note:* It is strongly recommended to use an overflow bottle between the NucleoVac 24 Vacuum Manifold and the vacuum source to avoid any contamination of the vacuum source, e.g., pump.

For processing NucleoSpin® 4 or NucleoSnap® columns with the NucleoVac 24 Vacuum Manifold, insert NucleoSpin® or NucleoSnap® columns into the Luer openings 5, a.

To avoid cross-contamination, it is recommended to use disposable NucleoVac Mini Adapters (6, see ordering information) b. For processing samples with different flow rates (e.g., large volume samples), it is recommended to use NucleoVac Valves (7, see ordering information) for maintaining constant vacuum pressure throughout the whole procedure c. Close unused positions with Luer plugs 8, d.

### Cleaning of the NucleoVac 24 Vacuum Manifold

Disconnect the NucleoVac 24 Vacuum Manifold and remove NucleoVac Mini Adapters and NucleoVac Valves. Discard NucleoVac Mini Adapters.

Remove the tubing connection and closing plug. Pour out liquid waste from the NucleoVac 24 Vacuum Manifold.

Rinse the NucleoVac 24 Vacuum Manifold with standard laboratory cleaning solutions and finally with water. If necessary, use standard disinfectant.

*Note:* The waste capacity of the manifold is 900 mL for non-foaming liquids and is reduced by foaming liquids. Empty the NucleoVac 24 manifold regularly!

Allow the NucleoVac 24 Vacuum Manifold and accessories to air-dry.

### Ordering information

Product	REF	Pack of
NucleoVac 24 Vacuum Manifold	740299	1
NucleoVac Mini Adapter	740297.100	100
NucleoVac Valves	740298.24	24

### Storage conditions

All components should be stored at room temperature.

### Product use restrictions / warranty

All MACHEREY-NAGEL products are designed for their intended use only. They are not intended to be used for any other purpose.

The description of the intended use of the products can be found in the original MACHEREY-NAGEL product leaflets. Before using our products, please observe the instructions for use and the safety instructions from the respective Material Safety Data Sheet of the product.

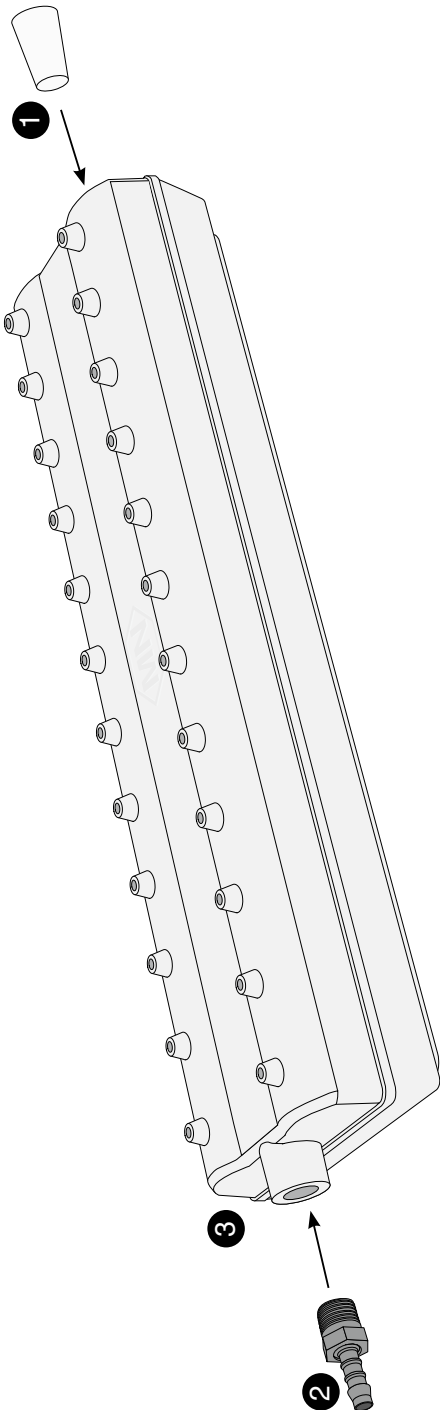
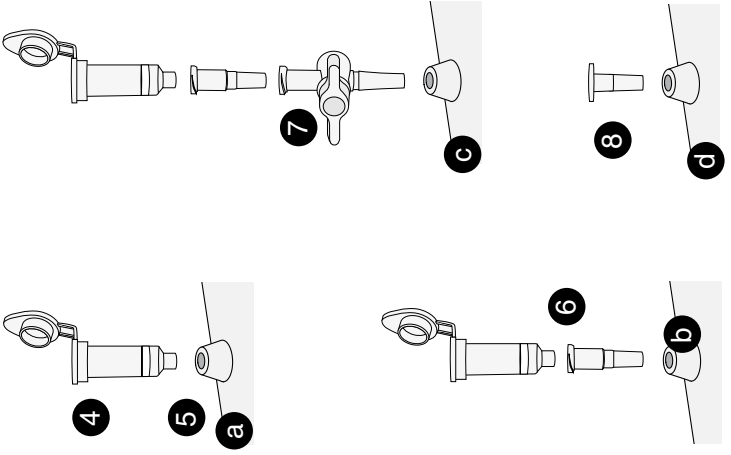
This MACHEREY-NAGEL product is carrying documentation stating specifications and other technical information. MACHEREY-NAGEL warrants to meet the stated specifications. The provided warranty is limited to the data specifications and descriptions as given in the original MACHEREY-NAGEL literature. No other statements or representations, written or oral, by MACHEREY-NAGEL's employees, agents or representatives, except written statements signed by a duly authorized officer of MACHEREY-NAGEL are authorized. They should not be relied upon by the customer and are not a part of a contract of sale or of this warranty.

Liability for all possible damages that occur in any connection with our products is limited to the utmost minimum as stated in the general business terms and conditions of MACHEREY-NAGEL in their latest edition which can be taken from the company's website.

MACHEREY-NAGEL does not assume any further warranty. Products and their application are subject to change. Therefore, please contact our Technical Service Team for the latest information on MACHEREY-NAGEL products. You may also contact your local distributor for general scientific information. Descriptions in MACHEREY-NAGEL literature are provided for informational purposes only.

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NucleoVac 24 Vacuum Manifold



## QR-Code Safety Data Sheet

Please find a digital version of the safety data sheets by following the link below:



[www.mn-net.com/sds](http://www.mn-net.com/sds)



We strongly recommend to carefully read the detailed protocol section of the product's user manual. If you have any questions about the protocol or product, please contact our Technical Support.

When working with this product, wear suitable protective clothing (e.g., lab coat, disposable gloves, and protective goggles).

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