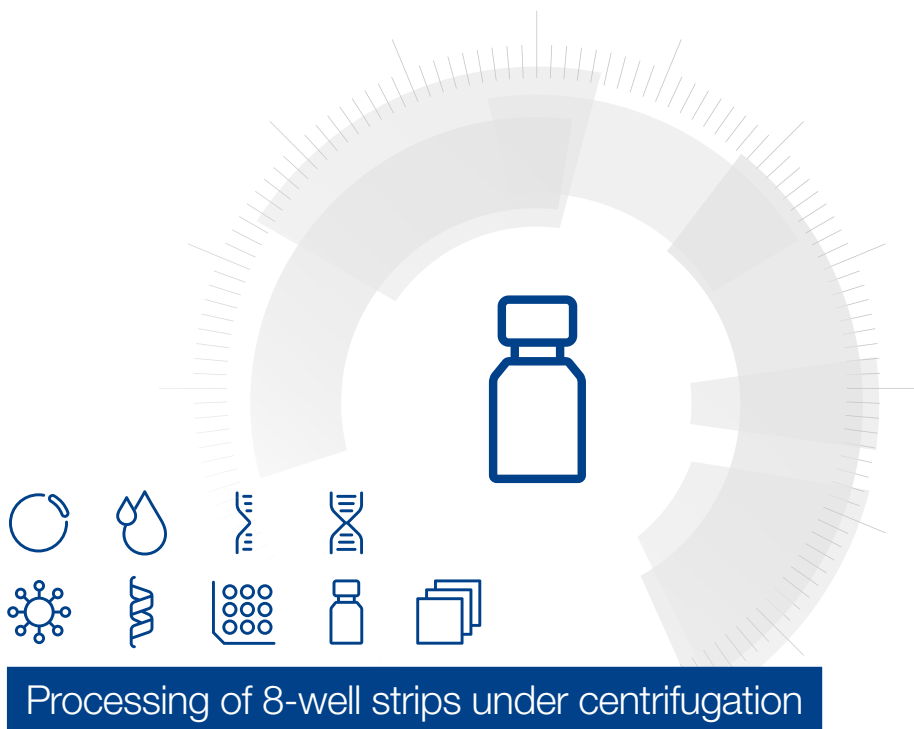


MACHEREY-NAGEL

User manual



Processing of 8-well strips under centrifugation

- Starter Set C

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1 Contents

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REF	740684
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Figure 1 Column Holder C (note top left mark for orientation)

1.1 About this user manual

It is recommended to read the instructions of this user manual carefully before use. All technical literature is also available on the internet at www.mn-net.com.

Please contact Technical Service regarding information about changes of the current user manual compared to previous or updated revisions.

2 Product description

The Starter Set C is designed for the use of the NucleoSpin® 8-well strips under centrifugation using suitable centrifuges with a swinging bucket rotor capable to accommodate the NucleoSpin® Binding Strip/Square-well Block sandwich (bucket height: 85 mm) and reaches accelerations of 5,600–6,000 x *g*.

The set contains two Column Holders C to hold the NucleoSpin® 8-well strips on top of the MN Square-well Block during centrifugation for binding, washing, and drying. During elution, the Column Holder C is used to hold the NucleoSpin® 8-well strips on top of a Rack of Tube Strips.

The system allows flexible processing of the NucleoSpin® 8 kits by using one to 12 strips per run. It is required to use both Column Holders C and distribute the strips between them to fill both buckets of the rotor equally to prevent centrifuge imbalances. Make sure that the centrifuge is properly balanced.

3 Handling

The desired number of 8-well strips is placed in the Column Holder C. The Column Holder is then rested on top of a MN Square-well Block, collecting the waste during centrifugation (Figure 2).

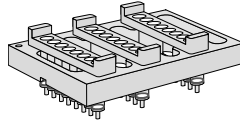
For elution, the Column Holder C with the NucleoSpin® 8-well strips is rested on top of the Rack of Tubes Strips during centrifugation. Insert Tube Strips supplied with the NucleoSpin® 8 kit in rows underneath the NucleoSpin® 8-well strips. The other rows also have to be filled with Tube Strips (e.g., supplied in the Starter Set C) to support the Column Holder C on the rack. This prevents contamination of Tube Strips from the kit intended for later use (Figure 3).

Stringently respect the maximal loading mass compatible with your centrifuge. Consult your centrifuge user manual! Consider complete mass of Column Holder C, 8-well strips, MN Square-well Block or Rack of Tube Strips, and liquid filling!

Maximal allowed centrifugal force for Column Holder C assemblies is 6,000 x *g*. Do not expose Column Holder C assemblies to higher *g*-force! Pay attention to the orientation of the Column Holder C. Position the mark (cone shape gravity) to the top left, as depicted in Figure 1.

If less than 6 NucleoSpin® 8-well strips are used per Column Holder C, distribute them as equally as possible within the Column Holder. If only one NucleoSpin® 8-well strip is used, position it in the center. If three NucleoSpin® 8-well strips are used, place them in every other position.

NucleoSpin® Binding Strips in Column Holder C



MN Square-well Block

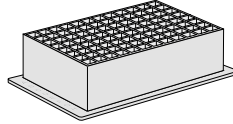
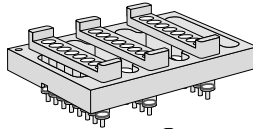
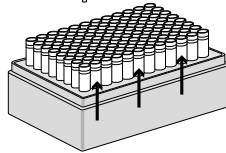


Figure 2 Setup during binding / washing / elution steps

NucleoSpin® Binding Strips in Column Holder C



Rack of Tube Strips



Note: During centrifugation, new Tube Strips are aligned under the 8-well strips to collect the eluate (1). The other rows have to be filled with Tube Strips supplied in the Starter Set C to support the Column Holder C on the rack.

Figure 3 Setup during elution step

4 Appendix

4.1 Maintenance of Column Holder C

If necessary, clean Column Holder C with water and soap and/or ethanol. Do not use bleach or acid to clean Column Holder C because this might corrode the aluminium.

4.2 Troubleshooting

Problem	Possible cause and suggestions
Broken Tube Strips, Column Holder C, or NucleoSpin® 8-well strips	<i>Sandwich not properly assembled</i>
	<ul style="list-style-type: none"> Do not exceed recommended centrifugation speed and force as specified with your centrifuge and the MN kit protocol.
	<ul style="list-style-type: none"> Make sure that the rack is completely filled with Tube Strips during the centrifugation step to properly level the Column Holder C holding the NucleoSpin® 8-well strips. Occasionally replace Tube Strips which are used to fill up the rack between the Tube Strips used for elution. Permanent reuse of Tube Strips might cause instability due to aging and material fatigue.

4.3 Ordering information

Product	REF	Pack of
Starter Set C (for processing NucleoSpin® 8-well strips under centrifugation)	740682	1 set
Rack of Tube Strips (1 set consists of 1 rack, 12 strips with 8 tubes each, and 12 Cap Strips)	740637	5 racks
MN Square-well Block	740678	20
Self-adhering PE Foil	740676	50 sheets
Gas-permeable Foil	740675	50 sheets

Visit www.mn-net.com for more detailed product information.

4.4 Product use restriction/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.

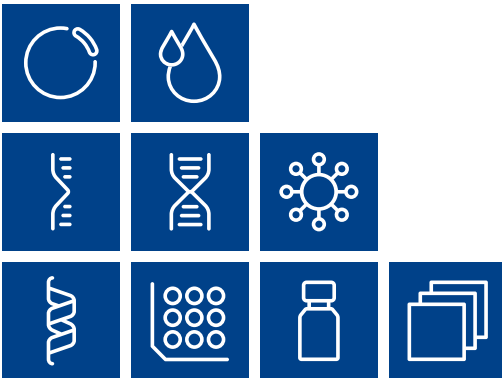
This MACHEREY-NAGEL product is carrying documentation stating specifications and other technical information. MACHEREY-NAGEL warrants to meet the stated specifications. The provided warranty is limited to the data specifications and descriptions as given in the original MACHEREY NAGEL literature. No other statements or representations, written or oral, by MACHEREY-NAGELS 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.

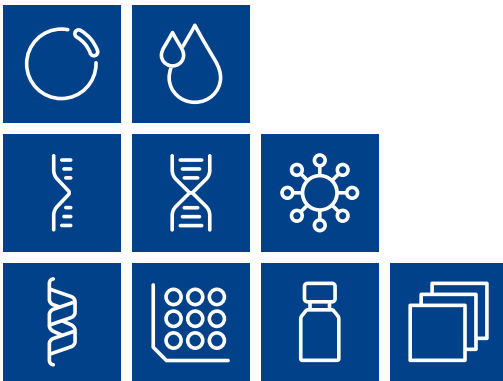
Products and their application are subject to change. Therefore, please contact our Technical Service Team for the latest information on MACHEREY-NAGEL products. You may also contact your local distributor for general scientific information. Descriptions in MACHEREY-NAGEL literature are provided for informational purposes only.

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