



Processing of 8-well strips under vacuum

User manual

Starter Set A

March 2012/Rev.02

Table of contents

1	Contents	4
2	Product description	4
3	Handling	4
4	Appendix	8
4.1	Troubleshooting	8
4.2	Ordering information	8
4.3	Product use restriction/warranty	9

1 Contents

Starter Set A	
REF	740682
Column Holder A	2
NucleoSpin® Dummy Strips	12
User manual	1

2 Product description

The Starter Set A is designed for the manual use of the NucleoSpin® 8-well strips on the NucleoVac 96 (REF 740681), the Qiagen QiaVac 96, or for automation of the strips on common liquid handling instruments equipped with a standard 96-well plate vacuum chamber.

The set contains two Column Holders A to hold the NucleoSpin® 8-well strips and NucleoSpin® Dummy Strips to close the unused rows of the Column Holder A.

It allows flexible processing of the NucleoSpin® 8 kits by using one to six strips per run.

3 Handling

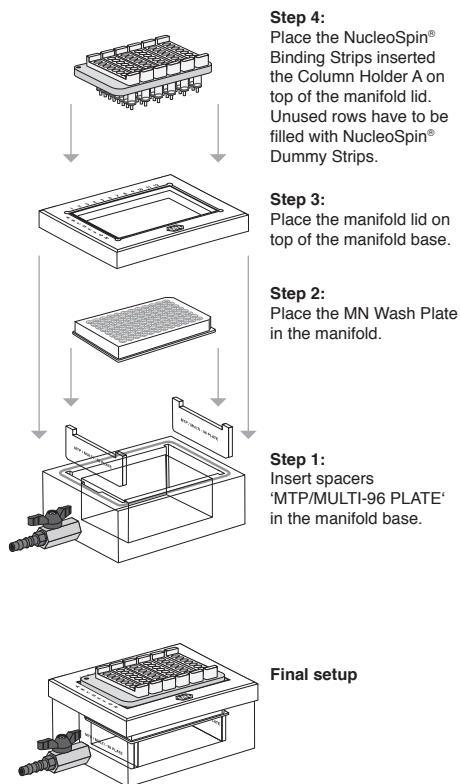
The desired number of 8-well strips is placed in the Column Holder A. Make sure that the 8-well strips are in the right orientation and attach to the Column Holder with a click. Unused rows of the Column Holder are closed with NucleoSpin® Dummy Strips. The Column Holder is then inserted into the lid of the NucleoVac 96 (see setup with NucleoSpin® Binding Strips, see page 5).

If using a kit with filter and binding strips (e.g., at the filtration step using the NucleoSpin® 8 Plasmid kit), the binding strips are inserted in one of the Column Holders. Empty rows are filled with NucleoSpin® Dummy Strips. The Column Holder is then placed onto the spacers 'MTP/MULTI-96 PLATE' inserted into the manifold base. The second Column Holder is loaded with the filter strips and inserted into the manifold lid. The manifold is then assembled (see setup with NucleoSpin® Filter Strips and NucleoSpin® Binding Strips, see page 6). After filtration, the lower column holder is transferred to the manifold lid for binding.

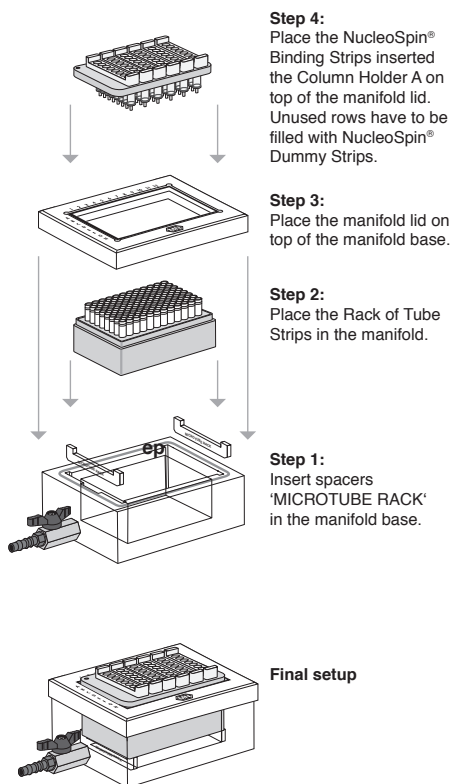
Elution is performed into a Rack of Tube Strips or an Elution Plate. Using the Elution Plate, spacers 'MTP/MULTI-96 PLATE' are needed. Please see the relating kit's user manual for more information regarding specific requirements.

Setup with NucleoSpin® Binding Strips

Binding / Washing / Elution in MTP

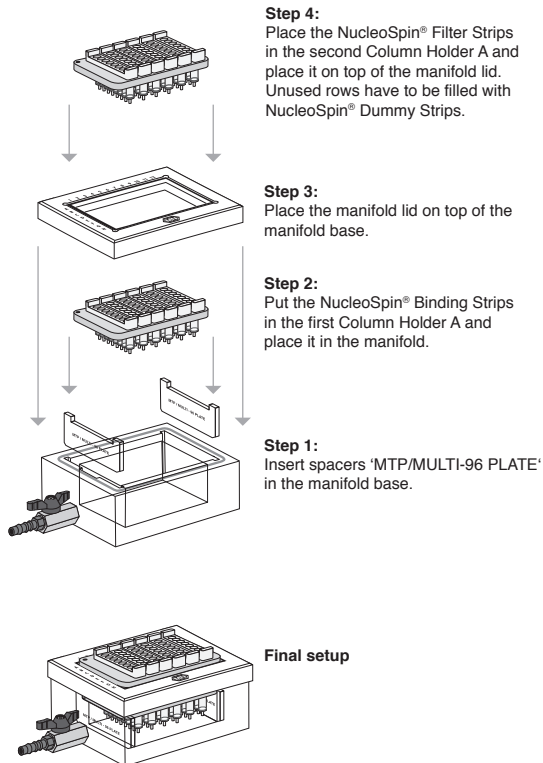


Elution in Rack of Tube Strips



Setup with NucleoSpin® Filter Strips and NucleoSpin® Binding Strips

Filtration step



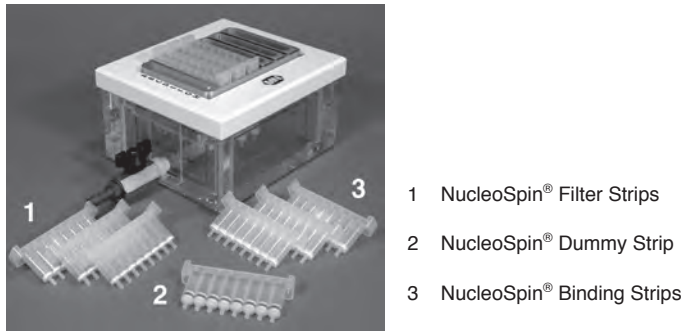


Figure 1: NucleoSpin® 8-well strips inserted in Column Holder A on top of the NucleoVac 96 Vacuum Manifold
Unused wells have to be filled with NucleoSpin® Dummy Strips.

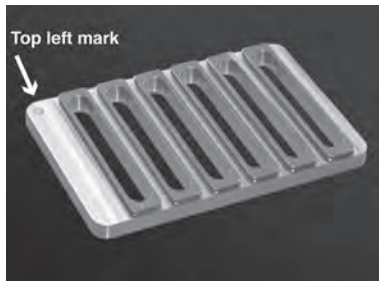


Figure 2: Column Holder A (note top left mark for orientation)

4 Appendix

4.1 Troubleshooting

Problem	Possible cause and suggestions
Vacuum not sufficient	<i>Strips not inserted properly</i> <ul style="list-style-type: none"> Make sure that the strips are properly attached to the Column Holder and that the small gaskets sealing the strips are clean and intact.
	<i>Column Holder not inserted properly.</i> <ul style="list-style-type: none"> Check gasket of the vacuum chamber and clean if necessary. Insert the Column Holder properly.

4.2 Ordering information

Product	REF	Pack of
Starter Set A (for processing NucleoSpin® 8-well strips on NucleoVac 96 Vacuum Manifold)	740682	1 set
NucleoSpin® Dummy Strips	740685	6
NucleoVac 96 Vacuum Manifold	740681	1
Replacement parts for the NucleoVac 96 are available on request		
NucleoVac Vacuum Regulator	740641	1
Rack of Tube Strips (1 set consists of 1 rack, 12 strips with 8 tubes each, and 12 Cap Strips)	740637	5 racks
Square-well Block	740481 740481.24	4 24
Self-adhering PE Foil	740676	50 sheets
Gas-permeable Foil	740675	50 sheets

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

4.3 Product use restriction/warranty

Starter Set A components are intended, developed, designed, and sold FOR RESEARCH PURPOSES ONLY, except, however, any other function of the product being expressly described in original MACHEREY-NAGEL product leaflets.

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