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Processing of 8-well strips on BioRobots[®]

User manual

Starter Set B

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MACHEREY-NAGEL



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1 Kit contents

	Starter Set B
Cat. No.	740 683
Column Holder B	1
Column Holder D	1
Dummy Strips	6
Protocol	1

2 Product description

The Starter Set B is designed for the automated use of the NucleoSpin® 8-well strips on Qiagen BioRobot® 9600/9604/3000. The standard vacuum chamber top for processing the 96-well plates is used, not the one for the Qiagen 8-well strips.

The set contains one Column Holder B to hold the NucleoSpin® 8-well strips on top of the vacuum chamber, one Column Holder D to hold the NucleoSpin® 8-well strips inside the vacuum chamber and Dummy Strips to close the unused rows of the Column Holder B.

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

Note that the column holders are not symmetrical, they have one thicker side which has to be on the left side of the vacuum manifold.

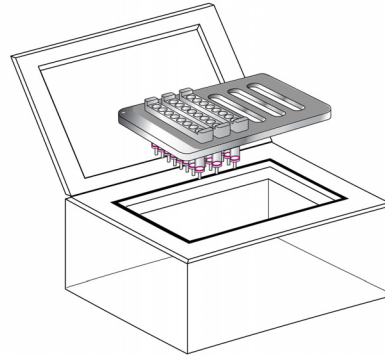
3 Handling

The desired number of 8-well strips is placed in the Column Holder B. Unused rows of the Column Holder are closed with Dummy Strips. The Column Holder is then inserted into the manifold top and the lid is closed to press down the strips to the gasket (Figure B).

If using a kit with filter and binding strips (e.g. NucleoSpin® Robot-8 Plasmid), the binding strips are inserted into the Column Holder D rested in the manifold base. The manifold top is put in place, and the Column Holder B with the appropriate number of filter strips is inserted. Close unused rows of the Column Holder B with MN Dummy Strips. The manifold lid is then closed to press the strips against the gasket (Figure A). After the filtration, the binding strips are transferred to the column holder B and are placed in the manifold lid for binding, washing and elution (Figure B).

Figure A: Filtration of crude lysate during the NucleoSpin® Robot-8 Plasmid procedure

NucleoSpin® Filter Strips inserted in Column Holder B in manifold top of the BioRobot® 9600/9604/3000. Unused rows have to be closed with Dummy Strips.



NucleoSpin® Binding Strips inserted in Column Holder D in manifold base of the BioRobot® 9600/9604/3000.

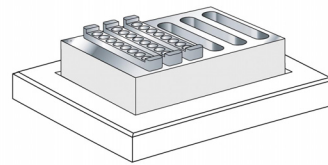
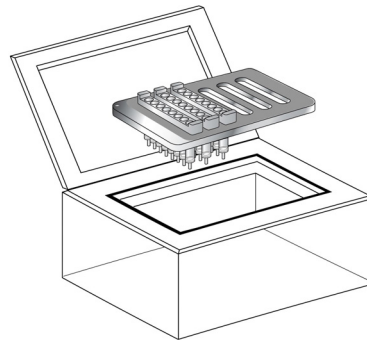


Figure B: Binding/washing/elution during the NucleoSpin® Robot-8 Plasmid procedure

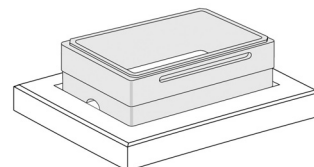
NucleoSpin® Binding Strips inserted in Column Holder B in manifold top of the BioRobot® 9600/9604/3000. Unused rows have to be closed with Dummy Strips.



MN Wash Plate or Elution Plate is rested on MN Frame.



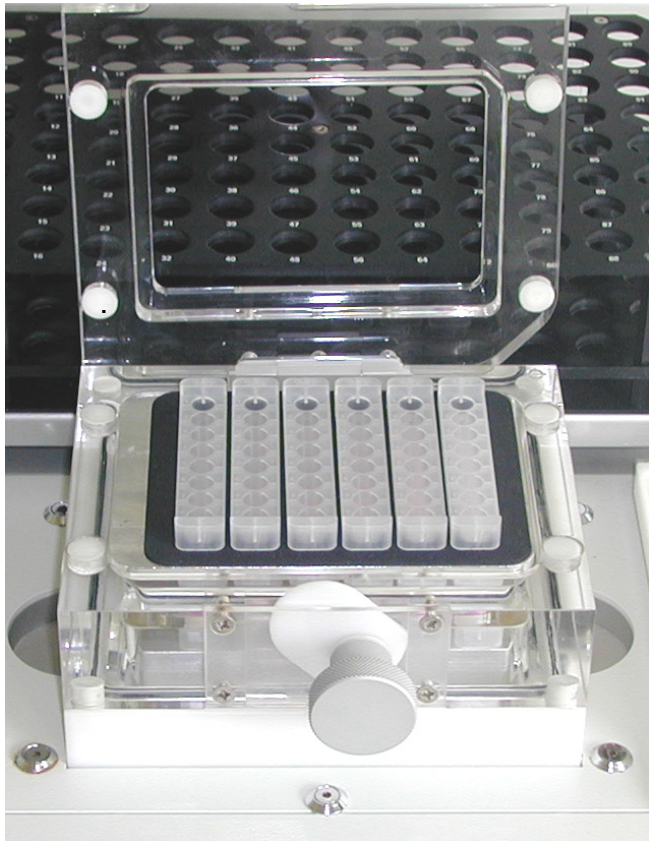
MN Frame is placed in manifold base of the BioRobot® 9600/9604/3000.



Elution is also possible into MN Tube Strips. The MN Frame is not used, and the rack with the MN Tube Strips is inserted directly into the manifold base. Make sure that the Tube Strips are properly aligned under the outlets of the NucleoSpin® Binding Strips. As manifolds might show small tolerances in dimensions it might be necessary to remove the bottom of the rack to be able to close the manifold again properly.



NucleoSpin® Plasmid Binding Strips inserted into Column Holder D placed in the manifold bottom on the Qiagen BioRobot 9600.



NucleoSpin® Plasmid Filter Strips inserted into Column Holder B placed in the manifold top on the BioRobot® 9600. The lid will press down the strips into the gasket to seal the vacuum chamber



Column Holder B
(note top left mark for right orientation)



Column Holder D
(note top left mark for right orientation)

5 Appendix

5.1 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 lid of the vacuum chamber is tightly closed.
	<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.

5.2 Ordering information

Product	Cat. No.	Pack of
Starter Set A	740 682	1 Set
For use of the NucleoSpin® 8 Kits on the NucleoVac 96 or other 96-well plate manifolds		
Starter Set B	740 683	1 Set
For use of the NucleoSpin® 8 Kits on the Qiagen BioRobots®		
Starter Set C	740 684	1 Set
For use of the NucleoSpin® 8 Kits under centrifugation		
MN Square-well Blocks	740 678	20
Dummy Strips	740 685	6
MN Wash Plate	740 675	20
Self-adhering PE Foil	740 676	50
NucleoVac 96 Vacuum Manifold	740 681	1
Vacuum Regulator	740 641	1
Rubber Pad	740 640	2

Product	Cat. No.	Pack of
NucleoSwing Z 513	740 610	1
NucleoSwing Z 513 K (refrigerated)	740 610 K	1

5.3 Product Use Restriction / Warranty

Starter Set B components were developed, designed and sold **for research purposes only**. They are suitable **for in vitro uses only**. Furthermore is no claim or representation intended for its use to identify any specific organism or for clinical use (diagnostic, prognostic, therapeutic, or blood banking).

It is rather in the responsibility of the user to verify the use of the **Starter Set B** for a specific application range as the performance characteristic of this kit has not been verified to a specific organism.

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