User manuals

NucleoSpin® 8 Plasmid **740621 / .5**

NucleoSpin® 8 Plasmid Core Kit **740461 / .4**

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 products 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)740621

Use the following QR code or the link below for direct access to the user manual.

QR-Code user manual

qr.mn-net.com/qr/(IFU)740621

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.

This leaflet does not replace the full manual!

Protocol at a glance
NucleoSpin® 8 Plasmid – manual vacuum processing

1	**Cultivate and harvest bacterial cells**	1.5 mL–5 mL LB or up to 2.5 mL 2 x YT or TB 10 min, 1,000 x *g*
2	**Resuspend bacterial cells**	250 µL A1 Mix or shake
3	**Lyse bacterial cells**	250 µL A_2 RT, 2 – 5 min Shake
4	**Neutralize**	350 µL A3 Mix or shake Prepare vacuum manifold for lysate clearing step
5	**Transfer crude lysates to NucleoSpin® Plasmid Filter Strips (purple rings)**	
6	**Clear crude lysates by vacuum filtration directly into the NucleoSpin® Plasmid Binding Strips (transparent rings)** *Optional: Incubate 1 – 3 min before applying vacuum*	-0.2 to -0.4 bar*, 1 – 5 min
7	**Reassemble vacuum manifold Discard NucleoSpin® Plasmid Filter Strips Remove NucleoSpin® Plasmid Binding Strips with cleared lysates and insert MN Wash Plate Place NucleoSpin® Plasmid Binding Strips on top of the manifold**	
8	**Bind DNA to silica membrane of the NucleoSpin® Plasmid Binding Strips by applying vacuum**	-0.2 to -0.4 bar*, 1 min
9	**Wash silica membrane**	(Optional: 600 µL AW) 900 µL A4 900 µL A4 – 0.2 to -0.4 bar*, 1 min each step
10	**Remove MN Wash Plate**	
11	**Dry NucleoSpin® Plasmid Binding Strips by applying vacuum** *Optional: Dry the outlets of the NucleoSpin® Plasmid Binding Strip by placing it on a sheet of filter paper before applying vacuum*	Full vacuum 10 – 15 min (run pump continuously)*
12	**Insert Rack of Tube Strips**	
13	**Elute plasmid DNA** *Optional: Incubate 1 – 3 min*	75 – 150 µL AE -0.4 to -0.6 bar*, 1 min

** Reduction of atmospheric pressure*

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

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.

Contact MN

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