User manuals

NucleoSpin® 96 cfDNA **740873 / .1 / .4**

NucleoSpin® 96 cfDNA Core Kit **740874 / .1 / .4**

Dear valued customer,

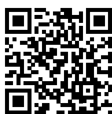
Thank you for choosing MACHEREY-NAGEL for your application. We have attached a short protocol for your review.

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.

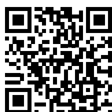
QR-Code product website



qr.mn-net.com/qr/(241)740873

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)740873

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
Protocol for the isolation of DNA from 1 mL plasma

Step	Procedure
1 Lyse samples	25 µL Proteinase K 1 mL plasma Mix 400 µL Buffer PML Mix Incubate at 56 °C, 30 min *Note: For Streck Cell-Free DNA BCT® incubate 60 min*
	Prepare the NucleoVac 96 Vacuum Manifold
	400 µL Buffer PMA per well -0.4 bar*, 1 min
2 Adjust DNA binding conditions	2 mL Buffer PMB Mix
3 Bind DNA	Transfer lysates *Note: Transfer lysates in aliquots of 1 mL* -0.4 bar*, 2 min
4 Wash silica membrane	800 µL PMW1 -0.4 bar*, 2 min 1 mL PMW2 -0.4 bar*, 2 min 1 mL PMW2 -0.4 bar*, 2 min
5 Dry silica membrane	-0.6 bar*, 10 min
6 Elute DNA	50 µL PME Incubate 1 min at RT -0.4 bar*, 30 s 50 µL PME -0.6 bar*, 30 s

Reduction of atmospheric pressure

Protocol at a glance
Protocol for the isolation of DNA from 1 to 2 mL plasma using 96-well plates

1 Split sample	12.5 µL Liquid Proteinase K 500 µl sample 200 µL Buffer PML mix 56 °C 30 min Prepare the NucleoVac 96 Vacuum Manifold 400 µL Buffer PMA Incubate one minute, -0.4 bar* 1 min.
2 Adjust binding conditions	1 mL Buffer PMB mix
3 Bind DNA	Transfer lysates *Note: Transfer lysates in aliquots of 1 mL* Lysates can be loaded continuously while they are passing the membrane. Continue with step 4 of the standard protocol.

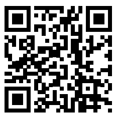
Protocol at a glance
Protocol for the isolation of DNA from 2 mL plasma using 24-well plates

1 Split sample	50 µL Liquid Proteinase K 2 mL plasma mix 800 µL Buffer PML mix 56 °C for 30 min (ideally with shaking) Prepare the NucleoVac 96 Vacuum Manifold 400 µL Buffer PMA Incubate one minute, -0.4 bar* 1 min.
2 Adjust binding conditions	4 mL Buffer PMB
3 Bind DNA	Transfer lysates *Note: Transfer lysates in aliquots of 1 mL* Lysates can be loaded continuously while they are passing the membrane. Continue with step 4 of the standard protocol.

MACHEREY-NAGEL

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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