

User manuals

NucleoMag® cfDNA

744550.1 / .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 product 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/\(241\)744550](https://qr.mn-net.com/qr/(241)744550)

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/\(IFU\)744550](https://qr.mn-net.com/qr/(IFU)744550)

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.

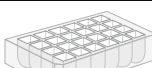






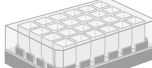
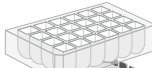


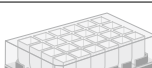
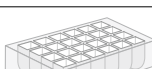


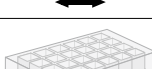
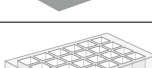
We are constantly improving our products and we reserve the right to make changes or additions to protocols. Please check for updated revisions for previously downloaded manuals.

This leaflet does not replace the full manual!

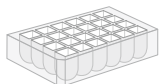
Protocol at a glance

Isolation of cell-free DNA from plasma

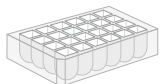
Protocol for 2 mL

| | | |
|--|--|---|
| 1 Lyse sample | | Add 50 μ L Liquid Proteinase K to 2 mL plasma |
| | | Mix RT, 15 min |
| | | Add 900 μ L MCF1 |
| | | Mix 56 °C, 30 min |
| 2 Bind DNA to NucleoMag[®] P-Beads |  | Add 30 μ L NucleoMag [®] P-Beads Add 2 mL Buffer MCF2 |
| |   | Mix by shaking for 10 min at RT (Optional: Mix by pipetting up and down) |
| |  | Remove supernatant after 5 min separation using the NucleoMag [®] SEP 24 |
| 3 Wash with MCF3 |  | Remove Square-well Block from NucleoMag [®] SEP 24 |
| | | Add 1 mL MCF3 |
| |   | Resuspend: Shake 2 min at RT (Optional: Mix by pipetting up and down) |
| |  | Remove supernatant after 2 min separation using the NucleoMag [®] SEP 24 |
| 4 Wash with MCF4 (1st) |  | Remove Square-well Block from NucleoMag [®] SEP 24 |
| | | Add 1 mL MCF4 |
| |   | Resuspend: Shake 2 min at RT (Optional: Mix by pipetting up and down) |
| |  | Remove supernatant after 2 min separation using the NucleoMag [®] SEP 24 |
| 5 Wash with MCF4 (2nd) |  | Remove Square-well Block from NucleoMag [®] SEP 24 |
| | | Add 1 mL MCF4 |
| |   | Resuspend: Shake 2 min at RT (Optional: Mix by pipetting up and down) |
| |  | Remove supernatant after 2 min separation using the NucleoMag [®] SEP 24 |
| 6 Dry the magnetic beads |  | 15 min at RT (Optional: Air-dry at 56 °C) |

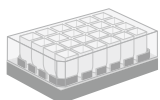
7 Elute DNA



Add 50 – 200 μ L MCF5
(Optional: Elute at 56 °C)



Shake 5 min at RT
(Optional: Mix by pipetting up and down)



Separate 2 min using the NucleoMag[®] SEP 24
and transfer DNA from supernatant into the
elution plate

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

Germany and international

MACHEREY-NAGEL GmbH & Co. KG
Valenciener Str. 11 · 52355 Düren · Germany
Tel.: +49 24 21 969-0
Toll-free: 0800 26 16 000 (Germany only)
E-mail: info@mn-net.com

Technical support Bioanalysis

Tel.: +49 24 21 969-333
E-mail: support@mn-net.com

USA

MACHEREY-NAGEL Inc.
924 Marcon Blvd. · Suite 102 · Allentown PA, 18109 · USA
Toll-free: 888 321 6224 (MACH)
E-mail: sales-us@mn-net.com

France

MACHEREY-NAGEL SAS
1, rue Gutenberg – BP135 · 67720 Hoerdt Cedex · France
Tel.: +33 388 68 22 68
E-mail: sales-fr@mn-net.com

MACHEREY-NAGEL SAS (Société par Actions Simplifiée) au capital de 186600 €
Siret 379 859 531 00020 · RCS Strasbourg B379859531
N° intracommunautaire FR04 379 859 531

Switzerland

MACHEREY-NAGEL AG
Hirsackerstr. 7 · 4702 Oensingen · Switzerland
Tel.: +41 62 388 55 00
E-mail: sales-ch@mn-net.com