Genomic DNA

User manuals

NucleoMag® DNA Forensic **744660.1 / .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)744660

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)744660

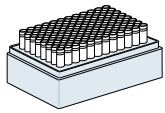
It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the 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 genomic DNA from forensic samples

1 Lyse sample

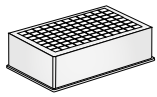


Add 20 µL Liquid Proteinase K,
5 µL TCEP solution (14 mg/mL) and
450 µL Buffer FOL

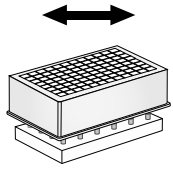
Mix

56 °C, 1 h

2 Bind DNA to NucleoMag® F-Beads



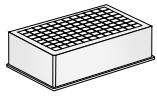
400 µL lysate
12 µL NucleoMag® F-Beads
580 µL FOB



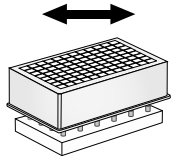
Mix by shaking for 10 min at RT
(Optional: Mix by pipetting up and down)

Remove supernatant after 2 min separation

3 Wash with FOW1



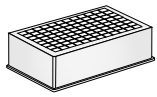
Remove Square-well Block from
NucleoMag® SEP
400 µL FOW1



Resuspend: Shake 1 min at RT
(Optional: Mix by pipetting up and down)

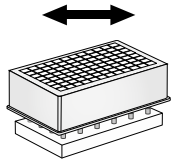
Remove supernatant after 2 min separation

4 Wash with FOW2



1st wash

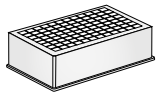
Remove Square-well Block from NucleoMag® SEP
400 µL FOW2



Resuspend: Shake 1 min at RT
(Optional: Mix by pipetting up and down)

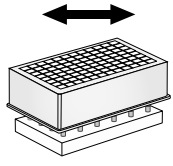
Remove supernatant after 2 min separation

5 Wash with FOW2



2nd wash

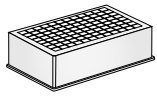
Remove Square-well Block on NucleoMag® SEP
400 µL FOW2



Resuspend: Shake 1 min at RT
(Optional: Mix by pipetting up and down)

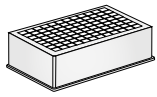
Remove supernatant after 2 min separation

6 Dry the magnetic beads

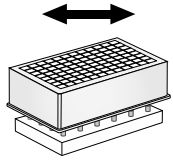


15 min at RT

7 Elute DNA



Add 25 – 100 µL FOE
(Optional: Elute at 56 °C)



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

Separate 2 min and transfer DNA into 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.

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