Genomic DNA

User manuals

NucleoSpin® 8 Food **740975 / .5**

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)740975

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)740975

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 is a short protocol and does not replace the full manual!

Protocol at a glance

NucleoSpin® 8 Food – centrifuge processing

Please check the user manual if your centrifuge and setup meets the requirements for centrifuge processing of 8-well strips.

1 Homogenize samples	0.2 g sample 500 µL preheated (65 °C) CF 10 µL Proteinase K Mix 65 °C, 30 min
2 Clear lysate	5,600 x *g*, 20 min
3 Adjust DNA binding conditions	300 µL clear lysate 300 µL C4 300 µL ethanol (96 – 100 %) Mix
4 Transfer lysates to NucleoSpin® Food Binding Strips	
5 Bind DNA to silica membrane of the NucleoSpin® Food Binding Strips	5,600 x *g*, 10 min
6 Wash silica membrane	500 µL CQW 5,600 x *g*, 2 min 900 µL C5 5,600 x *g*, 5 min
7 Dry silica membrane	5,600 x *g*, 15 min or 37 °C, 20 min
8 Elute DNA	100 µL CE (70 °C) 5,600 x *g*, 2 min Optional: Repeat elution step once.

Protocol at a glance
NucleoSpin® 8 Food – vacuum processing

1 Homogenize samples	0.2 g sample 500 µL preheated (65 °C) CF 10 µL Proteinase K Mix 65 °C, 30 min
2 Clear lysate	5,600 x *g*, 20 min
3 Adjust DNA binding conditions	300 µL clear lysate 300 µL C4 300 µL ethanol (96 – 100 %) Mix Prepare the NucleoVac 96 Vacuum Manifold
4 Transfer lysates to NucleoSpin® Food Binding Strips	
5 Bind DNA to silica membrane of the NucleoSpin® Food Binding Strips	-0.2 bar* , 5 min
6 Wash silica membrane	500 µL CQW -0.2 bar*, 5 min 900 µL C5 – 0.2 bar*, 5 min 900 µL C5 – 0.2 bar*, 5 min
7 Dry silica membrane	-0.6 bar* , 10 min or 37 °C, 20 min
8 Elute DNA	100 µL CE (70 °C) -0.6 bar*, 2 min Optional: Repeat elution step once.

**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.

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