

User manuals

NucleoVerde® Gel and PCR Clean-up

740880/.50/.250



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, processing protocols, and disposal can all be found on the product website and accessed easily via the QR code.

QR-Code product website



[qr.mn-net.com/qr/\(241\)740880](https://qr.mn-net.com/qr/(241)740880)

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/\(IFU\)740880](https://qr.mn-net.com/qr/(IFU)740880)

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!

NucleoVerde® features compact kit design to reduce material usage, shipping volume and mass. Buffer bottles are smaller to minimize plastic waste and avoid discarding excess buffer. All collection tubes are made from at least 70 % post-consumer recycled plastic and deliver the same reliable performance. We have also introduced plastic bags made with 80 % biobased material and implemented more sustainable product labels as they are produced with recycled material.

NucleoVerde® uses less buffers and bottles. Binding and wash buffer volumes are reduced, and the elution step is performed with water instead of separate buffer, eliminating the need for Buffer NE. These changes reduce both chemical usage and packaging.

While sustainability was the main goal, performance was never compromised. NucleoVerde® uses the same silica membrane technology as the NucleoSpin® Gel and PCR Clean-up kit and has undergone extensive validation to ensure equivalent results for gel extraction and PCR clean-up.

Protocol at a glance (Rev. 01)
PCR clean-up, gel extraction

PCR clean-up		
1 PCR clean-up, Gel extraction: Excise DNA fragment / solubilize gel slice		200 µL NTV / 100 µL PCR
2 Bind DNA/Load Sample		11,000 × g 30 s
3 Wash and dry silica membrane		600 µL NT3 11,000 × g 30 s 400 µL NT3 11,000 × g 30 s
4 Elute DNA		15 – 50 µL Water RT 1 min 11,000 × g 1 min

Gel extraction	
	200 µL NTV / 100 mg gel 60 °C 5 – 10 min
	11,000 × g 30 s
	600 µL NT3 11,000 × g 30 s 400 µL NT3 11,000 × g 30 s
	15 – 50 µL Water RT 1 min 11,000 × g 1 min

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
Valenciennner 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