

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 μ L NTV/ 100 μ L PCR
2 Bind DNA/Load Sample		11,000 \times g 30 s
3 Wash and dry silica membrane		600 μ L NT3 11,000 \times g 30 s 400 μ L NT3 11,000 \times g 30 s
4 Elute DNA		15–50 μ L Water RT 1 min 11,000 \times g 1 min

Gel extraction



200 μ L NTV /
100 mg gel
60 °C
5 – 10 min



11,000 \times g
30 s



600 μ L NT3
11,000 \times g
30 s
400 μ L NT3
11,000 \times g
30 s



15 – 50 μ L Water
RT
1 min
11,000 \times 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

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