

User manuals

NucleoBond® RNA Soil 740140.20
DNA Set for NucleoBond® RNA 740141.20
Soil



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 products 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/\(241\)740140](https://qr.mn-net.com/qr/(241)740140)

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/\(IFU\)740140](https://qr.mn-net.com/qr/(IFU)740140)

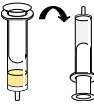
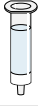
It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the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

RNA and DNA from Soil (Rev. 01)

1 Prepare sample		Fill tubes up to the 1 mL graduation mark
2 Add lysis buffers		800 μ L Buffer E1 Optional: 100 μ L OPT 100 μ L Phenol:Chloroform:Isoamylalcohol Vortex 2 s
3 Bead beating		Vortex horizontally 5 min at RT
4 Lysate clearing	 	13,000 x g, 2 min Transfer the supernatants to a 15 mL tube
5 Adjust binding conditions	 	125 μ L Buffer E ₂ per mL supernatant Vortex 5 s 2 min RT 4,500 x g, 2 min
6 Column setup and equilibration		12 mL Buffer EQU
7 Load column		Load supernatant on NucleoBond® RNA Column
8 Filter flush		6 mL Buffer E3 Discard Filter
9 Column wash		8 mL Buffer E4
10 RNA elution		5 mL Buffer ERNA
Optional: DNA elution DNA Elution Set required		Transfer column to a 50 mL tube 5 mL Buffer EDNA
11 Precipitate nucleic acids		3.5 mL Isopropanol Vortex 5 s Transfer mixture on column
12 Bind nucleic acids		4,500 x g, 2 min
13 Washing and drying		1 mL Buffer E5 4,500 x g, 2 min
14 Elute nucleic acids		100 μ L RNase-free H ₂ O 4,500 x g, 2 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.

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