

User manuals

NucleoSpin® RNA **740955.10 / .50 / .250**

NucleoSpin® RNA Midi **740962.20**



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/\(241\)740955](https://qr.mn-net.com/qr/(241)740955)

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/\(IFU\)740955](https://qr.mn-net.com/qr/(IFU)740955)










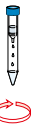










It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the 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 (Rev. 21)

RNA isolation

		Mini NucleoSpin® RNA		Midi NucleoSpin® RNA Midi
1 Homogenize sample		30 mg		100 mg
2 Lyse cells		350 µL RA1 3.5 µL β-mercaptoethanol Mix		1.8 mL RA1 18 µL β-mercaptoethanol Mix
3 Filtrate lysate		11,000 × g, 1 min		4,500 × g, 10 min
4 Adjust RNA binding conditions		350 µL 70 % ethanol Mix		1.8 mL 70 % ethanol Mix
5 Bind RNA		Load sample 11,000 × g, 30 s		Load sample 4,500 × g, 3 min
6 Desalt silica membrane		6 350 µL MDB 11,000 × g, 1 min		2.2 mL MDB 4,500 × g, 3 min
7 Digest DNA		95 µL DNase reaction mixture RT, 15 min		250 µL DNase reaction mixture RT, 15 min
8 Wash and dry silica membrane				
1st wash		200 µL RAW2 11,000 × g, 30 s		2.6 mL RAW2 4,500 × g, 3 min
2nd wash		600 µL RA3 11,000 × g, 30 s		2.6 mL RA3 4,500 × g, 3 min
3rd wash		250 µL RA3 11,000 × g, 2 min		2.6 mL RA3 4,500 × g, 5 min
9 Elute highly pure RNA		60 µL RNasefree H ₂ O 11,000 × g, 1 min		500 µL RNasefree H ₂ O RT, 2 min 4,500 × g, 3 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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