

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
 Valencienn 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 Hoerdts 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

User manuals

NucleoSpin® Plant II	740770 / .10 / .50 / .250
NucleoSpin® Plant II Midi	740771.20
NucleoSpin® Plant II Maxi	740772.10



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/\(241\)740770](http://qr.mn-net.com/qr/(241)740770)

Use the following QR code or the link below for direct access to the user manual.

QR-Code user manual



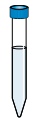
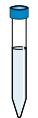
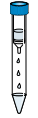
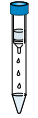
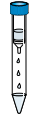
[qr.mn-net.com/qr/\(IFU\)740770](http://qr.mn-net.com/qr/(IFU)740770)

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
Genomic DNA from plant (Rev.14)

	Mini		Midi		Maxi	
1 Homogenize samples		100 mg		400 mg		1500 mg
2 Cell lysis		400 µL PL1 10 µL RNase A 65 °C, 10 min		1.7 mL PL1 25 µL RNase A 65 °C, 15 min		6 mL PL1 100 µL RNase A 65 °C, 20 min
		ALTERNATIVELY 300 µL PL2 10 µL RNase A 65 °C, 10 min 75 µL PL3 on ice, 5 min		ALTERNATIVELY 1.5 mL PL2 25 µL RNase A 65 °C, 15 min 200 µL PL3 on ice, 5 min		ALTERNATIVELY 5.3 mL PL2 100 µL RNase A 65 °C, 20 min 700 µL PL3 on ice, 5 min
3 Filtration / Clarification of lysate	 	≥ 11,000 x g, 2 min	 	4,500 x g, 10 min	 	4,500 x g, 10 min
4 Adjust DNA binding conditions		450 µL PC		2.3 mL PC		10 mL PC
5 Bind DNA	 	≥ 11,000 x g, 1 min	 	4,500 x g, 2 min	 	4,500 x g, 2 min
6 Wash and dry silica membrane	 	400 µL PW1 ≥ 11,000 x g, 1 min	 	1 mL PW1 4,500 x g, 2 min	 	4 mL PW1 4,500 x g, 2 min
	 	700 µL PW2 ≥ 11,000 x g, 1 min	 	3 mL PW2 4,500 x g, 2 min	 	10 mL PW2 4,500 x g, 2 min
	 	200 µL PW2 ≥ 11,000 x g, 2 min	 	1 mL PW2 4,500 x g, 10 min	 	2 mL PW2 4,500 x g, 10 min
7 Elute DNA	 	50 µL PE 65 °C, 5 min ≥ 11,000 x g, 1 min Repeat elution step	 	200 µL PE 65 °C, 5 min 4,500 x g, 2 min Repeat elution step	 	1000 µL PE 65 °C, 5 min 4,500 x g, 2 min Repeat elution step