

## 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](http://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  
Valenciennr 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](mailto:info@mn-net.com)

### Technical support Bioanalysis

Tel.: +49 24 21 969-333  
E-mail: [support@mn-net.com](mailto: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](mailto: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](mailto: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](mailto:sales-ch@mn-net.com)

## User manuals

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



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)




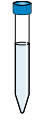


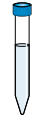






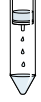

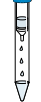
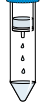
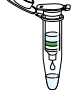
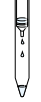
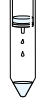
It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the 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	
<b>1 Homogenize samples</b>		100 mg		400 mg		1500 mg
<b>2 Cell lysis</b>		400 $\mu$ L PL1 10 $\mu$ L RNase A 65 °C, 10 min		1.7 mL PL1 25 $\mu$ L RNase A 65 °C, 15 min		6 mL PL1 100 $\mu$ L RNase A 65 °C, 20 min
		ALTERNATIVELY 300 $\mu$ L PL2 10 $\mu$ L RNase A 65 °C, 10 min 75 $\mu$ L PL3 on ice, 5 min		ALTERNATIVELY 1.5 mL PL2 25 $\mu$ L RNase A 65 °C, 15 min 200 $\mu$ L PL3 on ice, 5 min		ALTERNATIVELY 5.3 mL PL2 100 $\mu$ L RNase A 65 °C, 20 min 700 $\mu$ L PL3 on ice, 5 min
<b>3 Filtration / Clarification of lysate</b>		$\geq 11,000 \times g$ , 2 min		4,500 $\times g$ , 10 min		4,500 $\times g$ , 10 min
<b>4 Adjust DNA binding conditions</b>		450 $\mu$ L PC		2.3 mL PC		10 mL PC
<b>5 Bind DNA</b>		$\geq 11,000 \times g$ , 1 min		4,500 $\times g$ , 2 min		4,500 $\times g$ , 2 min
<b>6 Wash and dry silica membrane</b>		<b>1<sup>st</sup></b> 400 $\mu$ L PW1 $\geq 11,000 \times g$ , 1 min <b>2<sup>nd</sup></b> 700 $\mu$ L PW2 $\geq 11,000 \times g$ , 1 min <b>3<sup>rd</sup></b> 200 $\mu$ L PW2 $\geq 11,000 \times g$ , 2 min		<b>1<sup>st</sup></b> 1 mL PW1 4,500 $\times g$ , 2 min <b>2<sup>nd</sup></b> 3 mL PW2 4,500 $\times g$ , 2 min <b>3<sup>rd</sup></b> 1 mL PW2 4,500 $\times g$ , 10 min		<b>1<sup>st</sup></b> 4 mL PW1 4,500 $\times g$ , 2 min <b>2<sup>nd</sup></b> 10 mL PW2 4,500 $\times g$ , 2 min <b>3<sup>rd</sup></b> 2 mL PW2 4,500 $\times g$ , 10 min
<b>7 Elute DNA</b>		50 $\mu$ L PE 65 °C, 5 min $\geq 11,000 \times g$ , 1 min Repeat elution step		200 $\mu$ L PE 65 °C, 5 min 4,500 $\times g$ , 2 min Repeat elution step		1000 $\mu$ L PE 65 °C, 5 min 4,500 $\times g$ , 2 min Repeat elution step