

User manuals

NucleoSpin® Blood	740951.10 / .50 / .250
NucleoSpin® Blood L	740954.20
NucleoSpin® Blood XL	740950.10 / .50
NucleoSpin® Blood QuickPure	740569.10 / .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 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/\(241\)740951](https://qr.mn-net.com/qr/(241)740951)

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/\(IFU\)740951](https://qr.mn-net.com/qr/(IFU)740951)

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. 17)

Genomic DNA from blood

		Mini NucleoSpin® Blood		Midi NucleoSpin® Blood L
1 Lyse blood samples		200 µL blood 25 µL Pro.K 200 µL B3 Mix 70 °C 10 – 15 min		2 mL blood 150 µL Pro.K 2 mL µL BQ1 Mix 56 °C 10 – 15 min
2 Adjust binding conditions		210 µL ethanol		2 mL ethanol
3 Bind DNA	 	Load all 11,000 × g, 1 min	 	Load 3 mL 4,500 × g, 3 min
		–		Load 3 mL of residue 4,500 × g, 5 min
4 Wash silica membrane				
1st wash		500 µL BW 11,000 × g 1 min		2 mL BQ2 4,500 × g 2 min
2nd wash		600 µL B5 11,000 × g 1 min		2 mL BQ2 4,500 × g 10 min
5 Dry silica membrane		11,000 × g 1 min		Drying is performed during centrifugation of the last washing step
6 Elute highly pure DNA	 	100 µL BE (70 °C) RT 1 min 11,000 × g 1 min	 	200 µL BE (70 °C) RT 2 min 4,500 × g 2 min

Maxi NucleoSpin® Blood XL		Mini NucleoSpin® Blood QuickPure	
	10 mL blood 500 µL Pro.K 10 mL BQ1 Mix 56 °C 10 – 15 min		200 µL blood 25 µL Pro.K 200 µL BQ1 Mix 70 °C 00 – 15 min
	10 mL ethanol		200 µL ethanol
	Load 15 mL 4,000 × g, 3 min		Load all 11,000 × g, 1 min
	Load 15 mL of residue 4,000 × g, 3 min	–	
			
	7.5 mL BQ2 4,000 × g 2 min		350 µL BQ2 11,000 × g 3 min
	7.5 mL BQ2 4,000 × g 10 min	–	
	Drying is performed during centrifugation of the last washing step		Drying is performed during centrifugation of the last washing step
	500 – 2000 µL BE (70 °C) RT 2 min 4,000 × g 2 min		50 µL BE (70 °C) RT 1 min 11,000 × 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

Germany and international

MACHEREY-NAGEL GmbH & Co. KG
Valenciennner 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 Hoerdt 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