

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
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

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

User manuals

NucleoBond® Xtra Midi	740410/.10/.50/.100
NucleoBond® Xtra Midi Plus	740412/.10/.50
NucleoBond® Xtra Maxi	740414/.10/.50/.100
NucleoBond® Xtra Maxi Plus	740416/.10/.50



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/\(241\)740410](http://qr.mn-net.com/qr/(241)740410)

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/\(IFU\)740410](http://qr.mn-net.com/qr/(IFU)740410)



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)

Plasmid DNA purification (NucleoBond® Xtra Midi / Maxi)

		Midi	Maxi
1–3 Cultivation and harvest	4,500–6,000 x g 4 °C, 15 min		
4–5 Cell lysis <i>(Important: Check Buffer LYS for precipitated SDS)</i>	High-copy / low-copy 8 mL / 16 mL 8 mL / 16 mL Buffer RES Buffer LYS RT, 5 min	High-copy / low-copy 12 mL / 24 mL 12 mL / 24 mL Buffer RES Buffer LYS RT, 5 min	
6 Equilibration of the column and filter	12 mL Buffer EQU		25 mL Buffer EQU
7 Neutralization	8 mL / 16 mL Buffer NEU Mix thoroughly until colorless	12 mL / 24 mL Buffer NEU Mix thoroughly until colorless	
8 Clarification and loading of the lysate	Invert the tube 3 times Load lysate on NucleoBond® Xtra Column Filter		
9 1st Wash	5 mL Buffer EQU !		15 mL Buffer EQU !
10 Filter removal	Discard NucleoBond® Xtra Column Filter	Discard NucleoBond® Xtra Column Filter	
11 2nd Wash	8 mL Buffer WASH !	25 mL Buffer WASH !	
12 Elution	5 mL Buffer ELU	15 mL Buffer ELU	
13 Precipitation	NucleoBond® Xtra Midi	NucleoBond® Xtra Midi Plus	NucleoBond® Xtra Maxi NucleoBond® Xtra Maxi Plus
	3.5 mL Isopropanol Vortex 4,5–15,000 x g 4 °C, 30 min	3.5 mL Isopropanol Vortex RT, 2 min Load NucleoBond® Finalizer	10.5 mL Isopropanol Vortex 4,5–15,000 x g 4 °C, 30 min 10.5 mL Isopropanol Vortex RT, 2 min Load NucleoBond® Finalizer Large
14 Washing and drying	2 mL 70 % ethanol 4,5–15,000 x g RT, 5 min 10–15 min	2 mL 70 % ethanol ≥ 6 x air until dry	4 mL 70 % ethanol 4,5–15,000 x g RT, 5 min 15–30 min ≥ 6 x air until dry
15 Reconstitution	Appropriate volume of TE buffer	200–800 µL Buffer TRIS	Appropriate volume of TE buffer 400–1000 µL Buffer TRIS