

## 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.

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## User manuals

<b>NucleoBond® Xtra Midi</b>	<b>740410 / .10 / .50 / .100</b>
<b>NucleoBond® Xtra Midi Plus</b>	<b>740412 / .10 / .50</b>
<b>NucleoBond® Xtra Maxi</b>	<b>740414 / .10 / .50 / .100</b>
<b>NucleoBond® Xtra Maxi Plus</b>	<b>740416 / .10 / .50</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/\(241\)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	
<b>1–3 Cultivation and harvest</b>	4,500–6,000 x g 4 °C, 15 min			
<b>4–5 Cell lysis</b>  <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	
<b>6 Equilibration of the column and filter</b>	12 mL Buffer EQU		25 mL Buffer EQU	
<b>7 Neutralization</b>	8 mL / 16 mL  Buffer NEU Mix thoroughly until colorless		12 mL / 24 mL  Buffer NEU Mix thoroughly until colorless	
<b>8 Clarification and loading of the lysate</b>	Invert the tube 3 times  Load lysate on NucleoBond® Xtra Column Filter			
<b>9 1<sup>st</sup> Wash</b>	5 mL Buffer EQU <b>!</b>		15 mL Buffer EQU <b>!</b>	
<b>10 Filter removal</b>	Discard NucleoBond® Xtra Column Filter		Discard NucleoBond® Xtra Column Filter	
<b>11 2<sup>nd</sup> Wash</b>	8 mL Buffer WASH <b>!</b>		25 mL Buffer WASH <b>!</b>	
<b>12 Elution</b>	5 mL Buffer ELU		15 mL Buffer ELU	
<b>13 Precipitation</b>	<b>NucleoBond® Xtra Midi</b>	<b>NucleoBond® Xtra Midi Plus</b>	<b>NucleoBond® Xtra Maxi</b>	<b>NucleoBond® Xtra Maxi Plus</b>
	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
<b>14 Washing and drying</b>	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	4 mL 70 % ethanol  ≥ 6 x air until dry
<b>15 Reconstitution</b>	Appropriate volume of TE buffer	200–800 µL Buffer TRIS	Appropriate volume of TE buffer	400–1000 µL Buffer TRIS