Plasmid DNA

User manuals

NucleoBond® 96 Xtra EF **740430 / .1 / .4**

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 product 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)740430

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)740430

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
NucleoBond® 96 Xtra EF – manual vacuum processing

1	**Cultivate and harvest bacterial cells**	1.5 – 5 mL cell culture 1,000 x *g*, 10 min
2	**Resuspend bacterial cells**	400 µL RES-EF Mix or shake
3	**Lyse bacterial cells**	400 µL LYS-EF RT, 2 – 5 min
4	**Neutralize**	400 µL NEU-EF Mix or shake
5	**Assemble vacuum manifold filtration set-up (see page 18)**	
6	**Transfer crude lysates onto NucleoBond® Filter Plate (light orange rings)**	
7	**Clear crude lysates by vacuum filtration**	Apply vacuum (-0.4 to -0.6 bar*), 1 – 5 min
8	**Assemble vacuum manifold Xtra purification set-up (see page 18)**	
9	**Equilibrate NucleoBond® Xtra EF Plate**	900 µL EQU-EF Gravity flow
10	**Load cleared lysates onto NucleoBond® Xtra EF Plate**	Gravity flow
11	**Wash NucleoBond® Xtra EF Plate**	
	1st wash	900 µL ENDO-EF Gravity flow
	2nd wash	900 µL ENDO-EF Gravity flow
	3rd wash	900 µL WASH-EF Gravity flow
12	**Assemble vacuum manifold Xtra elution set-up (see page 18)**	
13	**Elute DNA from NucleoBond® Xtra EF Plate**	500 µL ELU-EF Gravity flow
14	**Assemble vacuum manifold Finalizer purification set-up (see page 18)**	
15	**Precipitate plasmid DNA**	350 µL isopropanol (room temperature) RT, 5 min
16	**Equilibrate NucleoBond® Finalizer Plate (red rings)**	1 mL TE-EF Apply vacuum (-0.2 to -0.4 bar*)
17	**Load precipitated plasmid DNA onto NucleoBond® Finalizer Plate**	Apply vacuum (-0.2 to -0.4 bar*)
18	**Wash NucleoBond® Finalizer Plate**	
	1st wash	1 mL 80 % EtOH Apply vacuum (-0.2 to -0.4 bar*)
	2nd wash	1 mL 80 % EtOH Apply vacuum (-0.2 to -0.4 bar*)
19	**Assemble vacuum manifold Finalizer drying set-up (see page 18)**	
20	**Dry NucleoBond® Finalizer Plate**	Apply vacuum (-0.4 to -0.6 bar*), 5 – 10 min
21	**Assemble vacuum manifold Finalizer elution set-up (see page 18)**	
22	**Elute plasmid DNA from NucleoBond® Finalizer Plate**	100 – 200 µL TE-EF or H_2O-EF RT, 1 – 3 min Apply vacuum (max. 0.4 bar*), 1 min

** Reduction of atmospheric pressure*

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

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