

User manuals

NucleoMag® cfDNA**744550.1 / .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/\(241\)744550](https://qr.mn-net.com/qr/(241)744550)

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/\(IFU\)744550](https://qr.mn-net.com/qr/(IFU)744550)

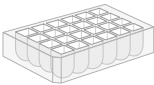
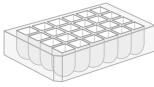
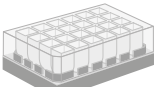
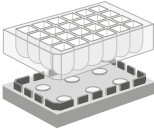
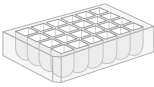
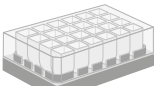
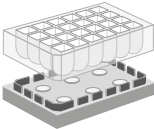
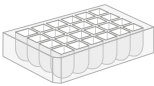
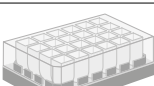
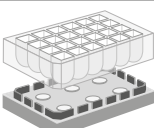
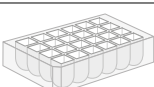
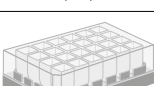
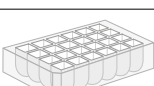
It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the 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.

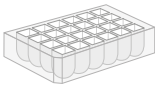
This leaflet does not replace the full manual!

Protocol at a glance

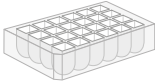
Isolation of cell-free DNA from plasma

Protocol for 2 mL		
1 Lyse sample	Add 50 µL Liquid Proteinase K to 2 mL plasma	
	Mix	
	RT, 15 min	
	Add 900 µL MCF1	
	Mix	
	56 °C, 30 min	
2 Bind DNA to NucleoMag® P-Beads		Add 30 µL NucleoMag® P-Beads Add 2 mL Buffer MCF2
		Mix by shaking for 10 min at RT (Optional: Mix by pipetting up and down)
		Remove supernatant after 5 min separation using the NucleoMag® SEP 24
3 Wash with MCF3		Remove Square-well Block from NucleoMag® SEP 24 Add 1 mL MCF3
		Resuspend: Shake 2 min at RT (Optional: Mix by pipetting up and down)
		Remove supernatant after 2 min separation using the NucleoMag® SEP 24
4 Wash with MCF4 (1 st)		Remove Square-well Block from NucleoMag® SEP 24 Add 1 mL MCF4
		Resuspend: Shake 2 min at RT (Optional: Mix by pipetting up and down)
		Remove supernatant after 2 min separation using the NucleoMag® SEP 24
5 Wash with MCF4 (2 nd)		Remove Square-well Block from NucleoMag® SEP 24 Add 1 mL MCF4
		Resuspend: Shake 2 min at RT (Optional: Mix by pipetting up and down)
		Remove supernatant after 2 min separation using the NucleoMag® SEP 24
6 Dry the magnetic beads		15 min at RT (Optional: Air-dry at 56 °C)

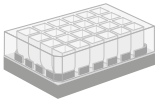
7 Elute DNA



Add 50 – 200 µL MCF5
(Optional: Elute at 56 °C)



Shake 5 min at RT
(Optional: Mix by pipetting up and down)



Separate 2 min using the NucleoMag® SEP 24
and transfer DNA from supernatant into the
elution plate

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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