

User manuals

NucleoSpin® RNA/Protein 740933.10 / .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 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/\(241\)740933](https://qr.mn-net.com/qr/(241)740933)

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/\(IFU\)740933](https://qr.mn-net.com/qr/(IFU)740933)




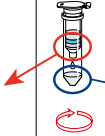
It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental tool for quick reference while performing the purification 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. 11)

NucleoSpin® RNA/Protein – Total RNA and protein isolation

NucleoSpin®	
1 Homogenization of sample	
2 Cell lysis	
3 Filtration of lysate	
4 Adjust binding conditions	
5 Bind RNA	

RNA Purification (RNA bound to the silica membrane)		
6 Desalt silica membrane		350 μ L MDB 11,000 \times g, 1 min
7 Digest DNA		95 μ L DNase reaction mixture RT, 15 min
8 Wash and dry silica membrane	 	1 st wash 200 μ L RA2 2 nd wash 600 μ L RA3 11,000 \times g, 30 s 3 rd wash 250 μ L RA3 11,000 \times g, 2 min
9 Elute highly pure RNA		60 μ L H ₂ O (RNase-free) 11,000 \times g, 1 min




RNA / Protein

30 mg

 350 μL RP1
 3.5 μL β -mercaptoethanol

 11,000 $\times g$,
 1 min
350 μL ethanol (70 %)
 11,000 $\times g$,
 30 s

Protein Purification
 (protein in the column flowthrough)

10 Precipitate protein		10–700 μL flowthrough 1 vol PP RT, 10 min 11,000 $\times g$, 5 min
11 Wash protein		500 μL ethanol (50 %) 11,000 $\times g$, 1 min
12 Dry protein pellet		RT, 5–10 min
13 Prepare protein sample		20–100 μL PSB-TCEP 95–98 $^{\circ}\text{C}$, 3 min 11,000 $\times g$, 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.

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