

## User manuals

**NucleoSpin® totalRNA FFPE 740982.10 / .50 / .250**

**NucleoSpin® totalRNA FFPE 740969.10 / .50 / .250  
XS**



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/\(241\)740982](https://qr.mn-net.com/qr/(241)740982)

Use the following QR code or the link below for direct access to the user manual.

### QR-Code user manual



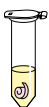

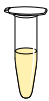







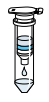
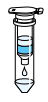




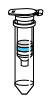
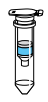








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It is strongly recommended to read the detailed protocol section of the user manual if using the kit for the first time. However, experienced users may refer to the protocol at a glance. The protocol at a glance is designed to be used only as a supplemental 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. 08)  
 Total RNA from FFPE samples

|   | NucleoSpin®<br>totalRNA FFPE  |   | NucleoSpin®<br>totalRNA FFPE XS   |   |
|---|---|---|---|---|
| <b>1 Sample preparation</b>   |    | Insert FFPE section(s)<br>in a microcentrifuge<br>tube                            |    | Insert FFPE section(s)<br>in a microcentrifuge<br>tube                            |
| <b>2 Deparaffinize sample</b>   |    | 1 mL Paraffin<br>Dissolver 56 °C, 5 min<br>Vortex hot sample<br>16,000 × g, 2 min |    | 1 mL Paraffin<br>Dissolver 56 °C, 5 min<br>Vortex hot sample<br>16,000 × g, 2 min |
|   |    | 170 µL MLF<br>16,000 × g, 2 min   |    | 140 µL MLF<br>16,000 × g, 2 min   |
|   |   | Remove Paraffin<br>Dissolver  |   | Remove Paraffin<br>Dissolver  |
| <b>3 Lyse sample A<br/>Quick protocol<br/>(perform<br/>method 3A<br/>or 3B)</b>                             |   | 15 µL Proteinase K<br>Mix gently<br>56 °C, 15 min                                 |   | 12 µL Proteinase K<br>Mix gently<br>56 °C, 15 min                                 |
|   |   | 15 µL MKA<br>Vortex<br>0 °C, 5 min<br>16,000 × g, 5 min                           |   | 12 µL MKA<br>Vortex<br>0 °C, 5 min<br>16,000 × g, 5 min                           |
|   |   | Transfer sample<br>80 °C, 15 min  |   | Transfer sample<br>80 °C, 15 min  |
| <b>Lyse sample B<br/>Protocol for<br/>difficult to lyse<br/>cells<br/>(perform<br/>method<br/>3A or 3B)</b> |   | 15 µL Proteinase K<br>Mix gently<br>56 °C, 90 min                                 |   | 12 µL Proteinase K<br>Mix gently<br>56 °C, 90 min                                 |
|   |  | 15 µL MKA<br>Vortex<br>0 °C, 5 min<br>16,000 × g, 5 min                           |  | 12 µL MKA<br>Vortex<br>0 °C, 5 min<br>16,000 × g, 5 min                           |
|   |   | Transfer sample   |   | Transfer sample   |
| <b>4 Adjust binding<br/>conditions</b>  |   | 500 µL MX<br>Vortex<br>RT, 1 min  |   | 400 µL MX<br>Vortex<br>RT, 1 min  |
| <b>5 Bind RNA</b>   |  | Load sample<br><br>16,000 × g, 15 s   |  | Load sample<br><br>16,000 × g, 15 s   |
| <b>6 Wash and dry<br/>silica<br/>membrane</b>   |   | 700 µL MW2  |   | 400 µL MW2  |
|   |  | 16,000 × g, 15 s  |  | 16,000 × g, 15 s  |
|   |   | 250 µL MW2  |   | 200 µL MW2  |
|   |  | 16,000 × g, 1 min   |  | 16,000 × g, 1 min   |
| <b>7 Optional:<br/>Digest DNA</b>   |  | 50 µL rDNase<br>RT, 15 min  |  | 25 µL rDNase<br>RT, 15 min  |
|   |  | 100 µL MX<br>RT, 1 min<br>16,000 × g, 15 s  |  | 50 µL MX<br>RT, 1 min<br>16,000 × g, 15 s   |
|   |   | 700 µL MW2<br>16,000 × g, 15 s  |   | 400 µL MW2<br>16,000 × g, 15 s  |
|   |  | 250 µL MW2<br>16,000 × g, 1 min   |  | 200 µL MW2<br>16,000 × g, 5 min   |
|   |   | 30–50 µL<br>RNase-free H <sub>2</sub> O<br>RT, 1 min<br>16,000 × g, 1 min         |   | 5–30 µL<br>RNase-free H <sub>2</sub> O<br>RT, 1 min<br>16,000 × 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](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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