NucleoMag® RNA Pro – IsoPure™ Mini

Protocol details

Application	Highly pure RNA from tissue and plant leaf material
Kit	NucleoMag® RNA Pro
REF	744360 (.1 /.4)
Protocol name	NMRNAPro

Eight easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag® RNA Pro.
2	Fill the 96-well Deep-well plate according to the table below.
3	Load the plate on the IsoPure™ Mini.
4	Insert tip combs on the mounting grooves.
5	Select the protocol from the instrument menu and start protocol NMRNAPro.
6	Remove plate from the instrument when prompted on the IsoPure™ Mini.
7	Dispense 350 µL of Binding Buffer MRB to the DNA digestion (column 4 + 10).
8	Place the plate back into the IsoPure™ and proceed with the protocol.

Note: Please equip all tip combs in order to cover the magnetic rods in used and unused wells.
The protocol includes a rDNase incubation step that requires a manual intervention (addition of Binding Buffer MRB).

Additional consumables and instrumentation

Product	Specification	REF
IsoPure™ Mini	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 16 samples	747000
Android™ tablet	Android™ tablet with IsoPure™ Mini App for simple protocol design and transfer	747001
96 Deep-well plates	96 deep-well plates for IsoPure™ Mini (25 pieces)	744955
Tip combs	8-well tip combs for IsoPure™ Mini (50 pieces)	744960

Instant protocol transfer via QR-code

Procedure	
1	Connect the scanning device (included) to the instrument
2	Activate the instrument scanning software
3	Scan the QR-code for instant protocol transfer
4	Confirm protocol transfer on the instrument

NMRNAPro-Display QR Code-1/1

MACHEREY-NAGEL GmbH & Co. KG · Valencienner Str. 11 · 52355 Düren · Germany · www.mn-net.com
DE +49 24 21 969-0 info@mn-net.com
CH +41 62 388 55 00 sales-ch@mn-net.com
FR +33 388 68 22 68 sales-fr@mn-net.com
US +1 888 321 62 24 sales-us@mn-net.com

Loading table

Position	Reagents	Samples per plate
Column 1 + 7	Cleared Lysate (350 µL), Binding Reagent (250 µL)*, NucleoMag® B-Beads (20 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer MRW (900 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Ethanol 70% (900 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	rDNase reaction mixture (300 µL)	Sample 1-8 Sample 9-16
Column 5 + 11	Ethanol 70% (900 µL)	Sample 1-8 Sample 9-16
Column 6 + 12	Elution Buffer MRE (100 µL)	Sample 1-8 Sample 9-16

Note: Please refer to the image below for a visual representation of the loading scheme.
** Use binding reagent for different sample types according to the user manual NucleoMag® RNA Pro.*

Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Binding (620 µL)	1st Wash (900 µL)	2nd Wash (900 µL)	DNA digest (300 µL + 350 µL)	3rd Wash (900 µL)	Elution (100 µL)	Binding (620 µL)	1st Wash (900 µL)	2nd Wash (900 µL)	DNA digest (300 µL + 350 µL)	3rd Wash (900 µL)	Elution (100 µL)	
B													
C													
D													
E													
F													
G													
H													

Disclaimer

Information

MACHEREY-NAGEL GmbH & Co. KG · Valencienner Str. 11 · 52355 Düren · Germany · www.mn-net.com
DE +49 24 21 969-0 info@mn-net.com
CH +41 62 388 55 00 sales-ch@mn-net.com
FR +33 388 68 22 68 sales-fr@mn-net.com
US +1 888 321 62 24 sales-us@mn-net.com