

NucleoMag[®] RNA Blood – IsoPure[™] Mini

Protocol details

Application	RNA from stabilized blood
Kit	NucleoMag [®] RNA Blood
REF	744352 (.1 / .4)
Protocol name	NMRNABloodR02



Eight easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag [®] RNA Blood.
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 NMRNABloodR02.
6	Remove plate from the instrument when prompted on the IsoPure [™] Mini.
7	Dispense 250 µL of Binding Buffer MRB1 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 MRB1).*

Loading table

Position	Reagents	Samples per plate
Column 1 + 7	Sample (820 µL), Proteinase K (15 µL), Binding Buffer MRB1 (140 µL), NucleoMag [®] B-Beads (15 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer MRB2 (900 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Wash Buffer EtOH 80% (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	Wash Buffer EtOH 80% (900 µL)	Sample 1-8 Sample 9-16
Column 6 + 12	RNAse-free H ₂ O (100 µL)	Sample 1-8 Sample 9-16

Note: Please refer to the image below for a visual representation of the loading scheme

Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12
A	Binding (990 µL)	1 st Wash (900 µL)	2 nd Wash (900 µL)	DNA digest (300 µL + 250 µL)	3 rd Wash (900 µL)	RNAse-free H ₂ O (100 µL)	Binding (990 µL)	1 st Wash (900 µL)	2 nd Wash (900 µL)	DNA digest (300 µL + 250 µL)	3 rd Wash (900 µL)	RNAse-free H ₂ O (100 µL)
B												
C												
D												
E												
F												
G												
H												

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



Disclaimer

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