

NucleoMag[®] RNA Blood – MagnetaPure 32+

Protocol details

Application	RNA from stabilized blood
Kit	NucleoMag [®] RNA Blood
REF	744352 (.1 / .4)
Protocol name	NMRNABloodR02a, NMRNABloodR02b



Seven easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag [®] RNA Blood.
2	Fill the 96-well Deep-well plates according to the table below.
3	Load the plates on the MagnetaPure 32+.
4	Insert tip combs on the mounting grooves. *
5	Select the protocol from the instrument menu and start protocol NMRNABloodR02a.
6	After the run (approx. 44 min), dispense 250 µL of Binding Buffer MRB1 to the DNA digestion (column 4 + 10). **
7	Place the plate back into the MagnetaPure 32+ slide in the tip combs and proceed with protocol NMRNA-BloodR02b (approx. 34 min).

Note: * Please equip all tip combs in order to cover the magnetic rods in used and unused wells.

** To remove the plate the tip combs have to be temporarily removed, they can be reused in their respective positions, but we recommend using a new set of tip combs after placing the plate back into the instrument.

Loading table for plate 1 and 2

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													
B													
C													
D													
E													
F													
G													
H													
	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)	

Additional consumables and instrumentation

Product	Specification	REF
MagnetaPure 32+	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 32 samples	747010
96 Deep-well Plate	96 deep-well plates for MagnetaPure 32+ (25 pieces)	744955
Tip Combs	8-well tip combs for MagnetaPure 32+ (50 pieces)	744960

Disclaimer

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