NucleoMag® RNA Blood – NucleoMag® X32

Protocol details

Application	RNA from stablilized blood
Kit	NucleoMag® RNA Blood
REF	744352 (.1 /.4)
Protocol name	NMRNABloodR02a, NMRNABloodR02b
Run time	approx. 78 min

Protocol 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 NucleoMag® X32.
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 NucleoMag® X32, slide in the tip combs and proceed with protocol NMRNA BloodR02b (approx. 34 min).

Notes: ** 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.

Required consumables and instrumentation provided by user

Product	Specification	REF
NucleoMag® X32	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 32 samples	747020
96 Deep-well Plate	96 deep-well plates for NucleoMag® X32 (25 pieces)	744955
Tip Combs	8-well tip combs for NucleoMag® X32 (50 pieces)	744960

Find more NucleoMag® X32 protocol information and scripts here: https://www.mn-net.com/de/NucleoMag-X32-Scripts

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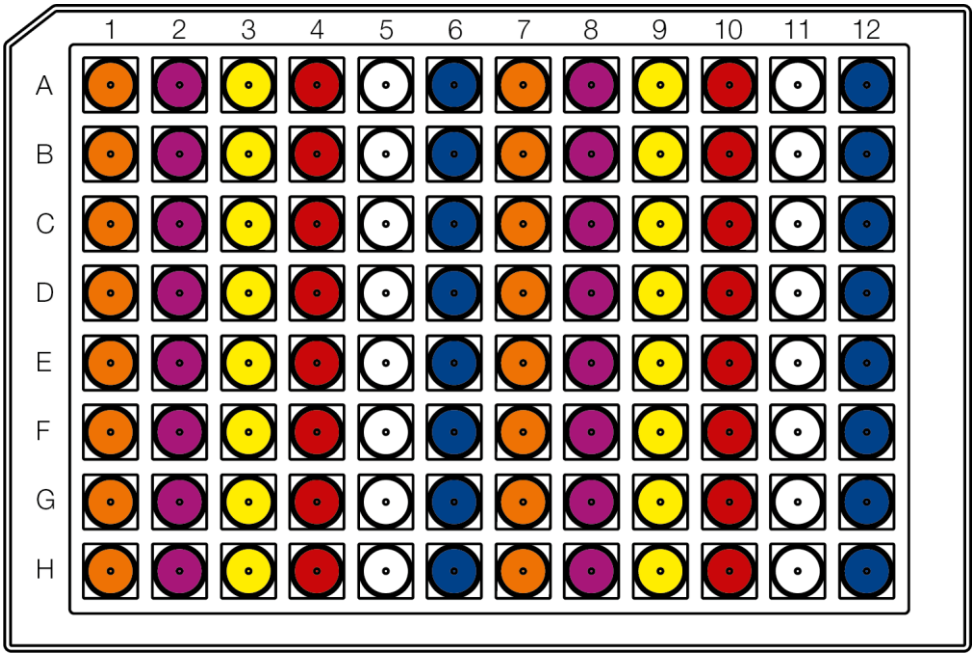
Loading table

	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_2O (100 µL)	Sample 1-8 Sample 9-16
	Notes:	*Please refer to the image below for a visual representation of the loading scheme*	

Loading scheme



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