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:

* *Refer to section 7 of the NucleoMag® RNA Blood* manual “RNA isolation from blood collected in EDTA / Citrate blood collection tubes”

** 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
Lysis Buffer DL	Additionally required lysis buffer for processing EDTA blood	740202.32
Wash Buffer RAW	Additionally required washing buffer for processing EDTA blood	740361.150

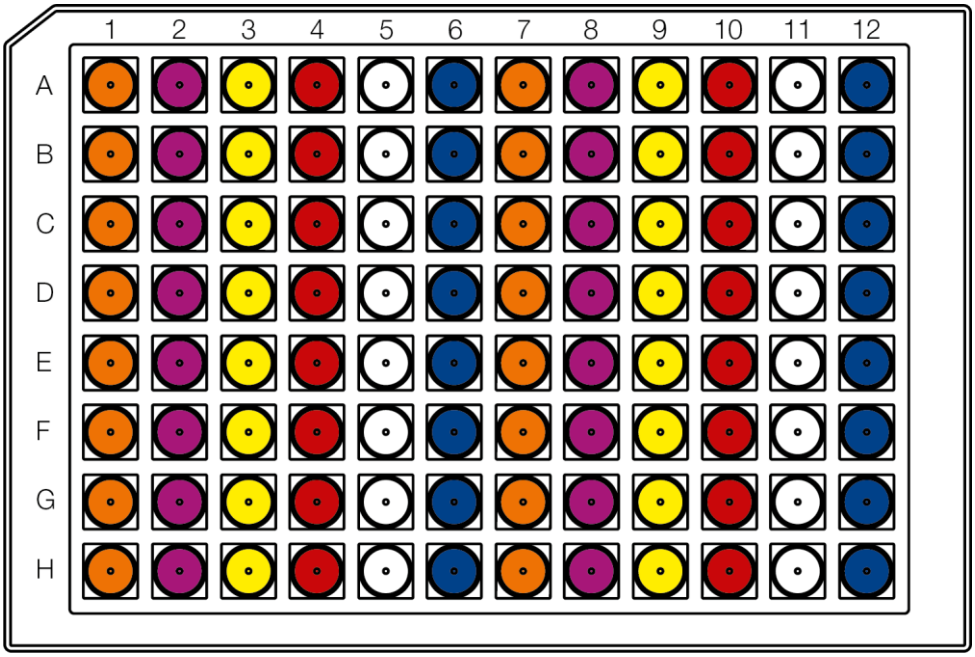
Find more NucleoMag® X32 protocol information and scripts here: https://www.mn-net.com/de/NucleoMag-X32-Scripts

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Loading table

	Position	Reagents	Samples per plate
■	Column 1 + 7	Lysed Sample (815 µL), Binding Buffer MRB1 (160 µL), NucleoMag® B-Beads (15 µL)	Sample 1-8 Sample 9-16
■	Column 2 + 8	Wash Buffer RAW (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



Disclaimer

Information

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