NucleoMag® RNA Pro– NucleoMag® X32

Protocol details

Application	Highly pure RNA from tissue and plant leaf material
Kit	NucleoMag® RNA Pro
REF	744360 (.1 /.4)
Protocol name	NMRNAProR1
Run time	approx. 77 min

Protocol steps

Procedure	
1	Perform lysis according to the user manual NucleoMag® RNA Pro.
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 NMRNAProR1.
6	Remove plate from the instrument when prompted on the NucleoMag® X32.
7	Dispense 350 µL of Binding Buffer MRB to the DNA digestion (column 4 + 10).
8	Place the plate back into the NucleoMag® X32 and proceed with the protocol
Notes:	** 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)

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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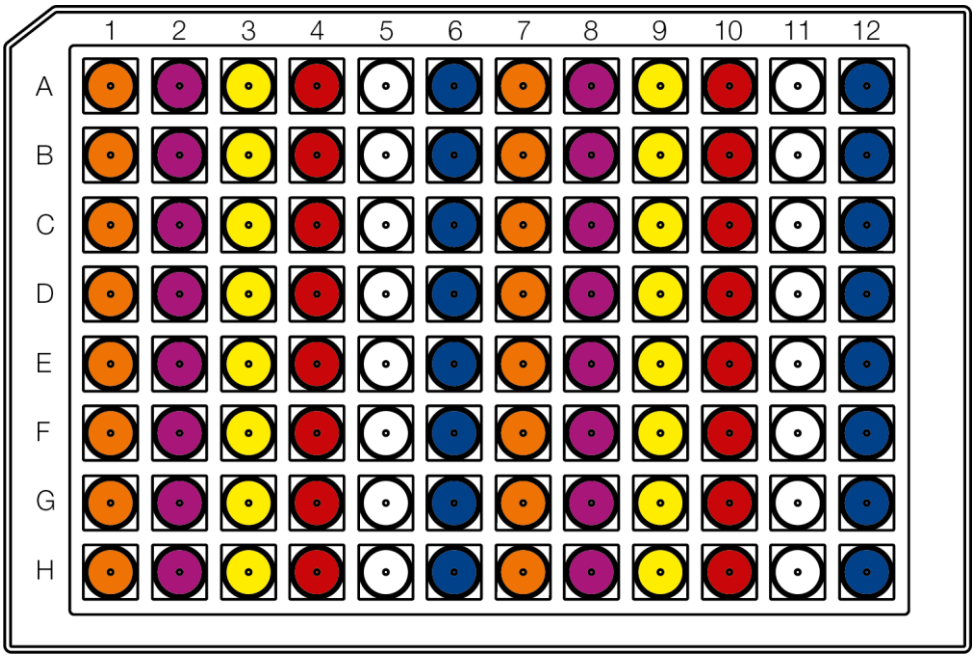
Loading table

	Position	Reagents	Samples per plate
■	Column 1 + 7	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
	Notes:	*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



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