

# NucleoMag<sup>®</sup> RNA Pro – IsoPure<sup>™</sup> Mini

## Protocol details

<b>Application</b>	<b>Highly pure RNA from tissue and plant leaf material</b>
Kit	NucleoMag <sup>®</sup> RNA Pro
REF	744360 (.1 / .4)
Protocol name	NMRNAPro



## Eight easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag <sup>®</sup> RNA Pro.
2	Fill the 96-well Deep-well plate according to the table below.
3	Load the plate on the IsoPure <sup>™</sup> Mini.
4	Insert tip combs on the mounting grooves.
5	Select the protocol from the instrument menu and start protocol NMRNAPro.
6	Remove plate from the instrument when prompted on the IsoPure <sup>™</sup> Mini.
7	Dispense 350 µL of Binding Buffer MRB to the DNA digestion (column 4 + 10).
8	Place the plate back into the IsoPure <sup>™</sup> 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 MRB).*

## Additional consumables and instrumentation

Product	Specification	REF
IsoPure <sup>™</sup> Mini	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag <sup>®</sup> kits enabling parallel processing of up to 16 samples	747000
Android <sup>™</sup> tablet	Android <sup>™</sup> tablet with IsoPure <sup>™</sup> Mini App for simple protocol design and transfer	747001
96 Deep-well plates	96 deep-well plates for IsoPure <sup>™</sup> Mini (25 pieces)	744955
Tip combs	8-well tip combs for IsoPure <sup>™</sup> 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



## 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

Note: 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

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Binding (620 µL)	1 <sup>st</sup> Wash (900 µL)	2 <sup>nd</sup> Wash (900 µL)	DNA digest (300 µL + 350 µL)	3 <sup>rd</sup> Wash (900 µL)	Elution (100 µL)	Binding (620 µL)	1 <sup>st</sup> Wash (900 µL)	2 <sup>nd</sup> Wash (900 µL)	DNA digest (300 µL + 350 µL)	3 <sup>rd</sup> Wash (900 µL)	Elution (100 µL)	
B													
C													
D													
E													
F													
G													
H													

## Disclaimer

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