

# NucleoMag<sup>®</sup> NGS Clean-up (DNA/RNA)– IsoPure<sup>™</sup> Mini

## Protocol details

Application	PCR Clean-up
Kit	NucleoMag <sup>®</sup> NGS Clean-up and Size Select (Protocol 5.4)
REF	744970 (.5 / .50 / .500)
Protocol name	NMNGScleanup
Run time	approx. 31 min

Rev 01



## Four easy steps

Procedure	
1	Fill the 96-well Deep-well plate according to the table below.
2	Load the plate on the IsoPure <sup>™</sup> Mini.
3	Insert tip combs on the mounting grooves.
4	Select the protocol from the instrument menu and start run.

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

## Loading table

Position	Reagents	Samples per plate
Column 1 + 7	DNA / RNA sample* (100 µL), NucleoMag <sup>®</sup> NGS Beads (180 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	80% Ethanol (200 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	80% Ethanol (200 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	empty	- -
Column 5 + 11	empty	- -
Column 6 + 12	Elution Buffer (25 µL)**	Sample 1-8 Sample 9-16

*Please refer to the image below for a visual representation of the loading scheme*

*Note:* \* Sample volume can be adjusted (10 -100 µL); Ratio between sample volume and NGS Bead Suspensions should be kept constant (1:1.8)

\*\* Elution can be performed in a minimal volume of 20 µL

## Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12
A	Binding (280 µL)	1 <sup>st</sup> Wash (200 µL)	2 <sup>nd</sup> Wash (200 µL)			Elution buffer (25 µL)	Binding (280 µL)	1 <sup>st</sup> Wash (200 µL)	2 <sup>nd</sup> Wash (200 µL)			Elution buffer (25 µL)
B												
C												
D												
E												
F												
G												
H												

## Additional consumables and instrumentation

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



## Disclaimer

### Information

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