

# NucleoMag<sup>®</sup> DNA Food – IsoPure<sup>™</sup> Mini

## Protocol details

Application	DNA from food and feed	
Kit	NucleoMag <sup>®</sup> DNA Food	
REF	744945 (.1 / .4)	
Protocol name	NMFood	
Run time	approx. 40 min	Rev 01



## Five easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag <sup>®</sup> DNA Food.
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 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	Lysate (400 µL), NucleoMag <sup>®</sup> B-Beads (25µL), Binding Buffer CB (570 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer CMW (600 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Wash Buffer CQW (600 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	Ethanol 80% (600 µL)	Sample 1-8 Sample 9-16
Column 5 + 11	empty	- -
Column 6 + 12	Elution Buffer CE (100 µL)	Sample 1-8 Sample 9-16

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

## Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12
A	Binding (995 µL)	1 <sup>st</sup> Wash (600 µL)	2 <sup>nd</sup> Wash (600 µL)	3 <sup>rd</sup> Wash (600 µL)		Elution buffer (100 µL)	Binding (995 µL)	1 <sup>st</sup> Wash (600 µL)	2 <sup>nd</sup> Wash (600 µL)	3 <sup>rd</sup> Wash (600 µL)		Elution buffer (100 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

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