

# NucleoMag<sup>®</sup> cfDNA – IsoPure<sup>™</sup> Mini

## Protocol details

Application	cfDNA from plasma samples	
Kit	NucleoMag <sup>®</sup> cfDNA	
REF	744550 (.1 / .4)	
Protocol name	NMcfDNA	
Run time	approx. 31 min	Rev 01



## Five easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag <sup>®</sup> cfDNA using a volume of 375 µL plasma per sample (e.g. 375 µL plasma + 9.5 µL Liquid Proteinase K + 169 µL MCF1)
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 (553.5 µL), NucleoMag <sup>®</sup> P-Beads (6 µL), Binding Buffer MCF2 (375 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer MCF3 (500 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Wash Buffer MCF4 (500 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	Wash Buffer MCF4 (500 µL)	Sample 1-8 Sample 9-16
Column 5 + 11	empty	- -
Column 6 + 12	Elution Buffer MCF5 (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 (934.5 µL)	1 <sup>st</sup> Wash (500 µL)	2 <sup>nd</sup> Wash (500 µL)	3 <sup>rd</sup> Wash (500 µL)		Elution buffer (100 µL)	Binding (934.5 µL)	1 <sup>st</sup> Wash (500 µL)	2 <sup>nd</sup> Wash (500 µL)	3 <sup>rd</sup> Wash (500 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

### Information

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