

NucleoMag[®] HMW DNA – IsoPure[™] Mini

Protocol details

Application	Extraction of high molecular weight DNA
Kit	NucleoMag [®] HMW DNA
REF	744160 (.1)
Protocol name	NMHMWRev01
Run time	approx. < 60. min



Five easy steps

Procedure	
1	Perform lysis according to the user manual NucleoMag [®] HMW DNA.
2	Fill the 96 Deep-well plate according to the table below.
3	Load the plates on the IsoPure [™] Mini.
4	Insert tip combs in the mounting grooves.*
5	Select the protocol from the instrument menu and start protocol NMHMWRev01.

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	Cleared lysate (400 - 500 µL), NucleoMag [®] B-Beads (25 µL), Binding Buffer HM2 (400 µL)	Sample 1-8 Sample 9-16
Column 2 + 8	Wash Buffer HM3 (900 µL)	Sample 1-8 Sample 9-16
Column 3 + 9	Wash Buffer HM4 (900 µL)	Sample 1-8 Sample 9-16
Column 4 + 10	70% EtOH (900 µL)	Sample 1-8 Sample 9-16
Column 5 + 11	70% EtOH (900 µL)	Sample 1-8 Sample 9-16
Column 6 + 12	Elution Buffer HM6 (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 (825 - 925 µL)	1 st Wash (900 µL)	2 nd Wash (900 µL)	3 rd Wash (900 µL)	4 th Wash (900 µL)	Elution buffer (100 µL)	Binding (825 - 925 µL)	1 st Wash (900 µL)	2 nd Wash (900 µL)	3 rd Wash (900 µL)	4 th Wash (900 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

NMHMWRev01-Display QR Code-1/1



Disclaimer

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