NucleoMag® HMW DNA – MagnetaPure 32+

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-well Deep-well plates according to the table below.
3	Load the plates on the MagnetaPure 32+.
4	Insert tip combs on 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*	

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Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Binding (825 - 925 µL)	1st Wash (900 µL)	2nd Wash (900 µL)	3rd Wash (900 µL)	4th Wash (900 µL)	Elution buffer (100 µL)	Binding (825 - 925 µL)	1st Wash (900 µL)	2nd Wash (900 µL)	3rd Wash (900 µL)	4th Wash (900 µL)	Elution buffer (100 µL)	
B													
C													
D													
E													
F													
G													
H													

Additional consumables and instrumentation

Product	Specification	REF
MagnetaPure 32+	Automated nucleic extraction system for MACHEREY-NAGEL's NucleoMag® kits enabling parallel processing of up to 32 samples	747010
96 Deep-well Plate	96 deep-well plates for MagnetaPure 32+ (25 pieces)	744955
Tip Combs	8-well tip combs for MagnetaPure 32+ (50 pieces)	744960

Disclaimer

Information

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