NucleoMag® NGS Single Size Selection IsoPure™ Mini

Protocol details

Application	Single size selection of NGS library prep reactions	
Kit	NucleoMag® NGS Clean-up and Size Select (Protocol 5.1)	
REF	744970 (.5 /.50 /.500)	
Protocol name	NMNGSSingleSizeSel	
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™ 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 sample (100 µL), NucleoMag® NGS Beads (100 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
Note:	*Please refer to the image below for a visual representation of the loading scheme* ** Please check the user manual for optimal single size selection conditions (e.g. volume ratio's)* *** Elution can be performed in a minimal volume of 15 µL*	

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Loading scheme

	1	2	3	4	5	6	7	8	9	10	11	12	
A	Binding (200 µL)	1st Wash (200 µL)	2nd Wash (200 µL)			Elution buffer (25 µL)	Binding (200 µL)	1st Wash (200 µL)	2nd 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

NMNGSSingleSizeSel-Display QR Code-1/1

Disclaimer

Information

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