

# NucleoMag<sup>®</sup> NGS Single Size Selection IsoPure<sup>™</sup> Mini

## Protocol details

Application	Single size selection of NGS library prep reactions	
Kit	NucleoMag <sup>®</sup> 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 <sup>™</sup> 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 <sup>®</sup> 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

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

*Note:* \* 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

## Loading scheme

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

MACHEREY-NAGEL GmbH & Co. KG makes every effort to include accurate and up-to-date information within this publication; however, it is possible that omissions or errors might have occurred. MACHEREY-NAGEL GmbH & Co. KG cannot, therefore, make any representations or warranties, expressed or implied, as to the accuracy or completeness of the information provided in this publication. Changes in this publication can be made at any time without notice. For technical details and detailed procedures of the specifications provided in this document please contact your MACHEREY-NAGEL representative. This publication may contain reference to applications and products which are not available in all markets. Please check with your local sales representative. All mentioned trademarks are protected by law. All used names and denotations can be brands, trademarks, or registered labels of their respective owner – also if they are not special denotation. To mention products and brands is only a kind of information (i.e., it does not offend against trademarks and brands and can not be seen as a kind of recommendation or assessment). Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or support by MACHEREY-NAGEL GmbH & Co. KG. Any views or opinions expressed herein by the authors' do not necessarily state or reflect those of MACHEREY-NAGEL. NucleoMag® is a registered trademark of MACHEREY-NAGEL GmbH & Co. KG, Düren, Germany. IsoPure™ is a brand of Accuris Instruments.