

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

Protocol details

| Application | DNA purification from forensic samples | |
|---------------|--|--------|
| Kit | NucleoMag [®] DNA Forensic | |
| REF | 744660 (.1 / .4) | |
| Protocol name | NMForensic | |
| Run time | approx. 43 min | Rev 01 |



Five easy steps

| Procedure | |
|-----------|---|
| 1 | Perform lysis according to the user manual NucleoMag [®] DNA Forensic. |
| 2 | Fill the 96-well Deep-well plate according to the table below. |
| 3 | Load the plate on the IsoPure [™] 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 (400 µL), NucleoMag [®] F-Beads (12 µL), Binding Buffer FOB (580 µL) | Sample 1-8 Sample 9-16 |
| Column 2 + 8 | Wash Buffer FOW1 (400 µL) | Sample 1-8 Sample 9-16 |
| Column 3 + 9 | Wash Buffer FOW2 (400 µL) | Sample 1-8 Sample 9-16 |
| Column 4 + 10 | Wash Buffer FOW2 (400 µL) | Sample 1-8 Sample 9-16 |
| Column 5 + 11 | empty | - - |
| Column 6 + 12 | Elution Buffer FOE (50 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 (992 µL) | 1 st Wash (400 µL) | 2 nd Wash (400 µL) | 3 rd Wash (400 µL) | | Elution buffer (50 µL) | Binding (992 µL) | 1 st Wash (400 µL) | 2 nd Wash (400 µL) | 3 rd Wash (400 µL) | | Elution buffer (50 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

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.