

MACHEREY-NAGEL

Automated nucleic acid extraction made easy

Bioanalysis



IsoPure Mini

- Fast, reliable and reproducible DNA/RNA extractions
- Process up to 16 samples in parallel
- Compact footprint (8" x 10")
- Android app compatible

MACHEREY-NAGEL

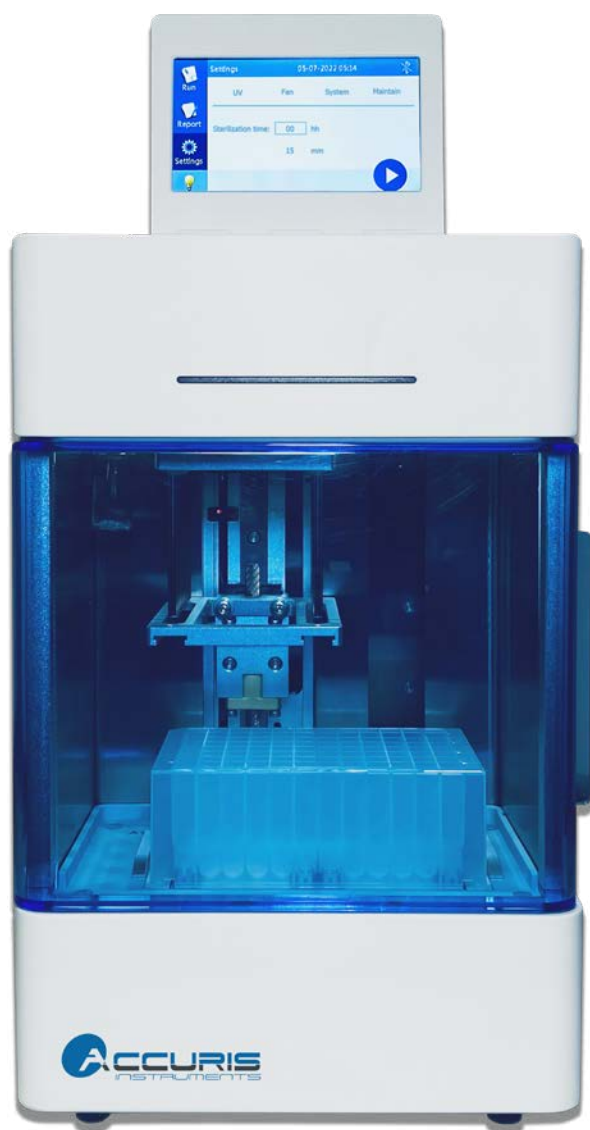
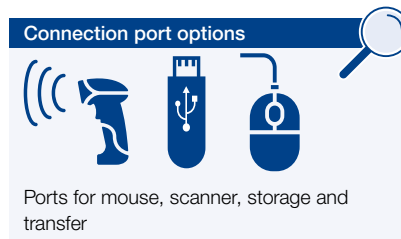
www.mn-net.com



IsoPure Mini – Automatic nucleic acid extraction

IsoPure Mini Nucleic Acid Extraction System

The IsoPure Mini is an automated platform for magnetic bead-based DNA/RNA extraction with a minimal benchtop footprint. Capable of processing up to 16 samples at one time, the stand-alone instrument is easy to set up, program, and operate. Mixing, magnetic bead transfer, washing, and elution steps are performed automatically, saving valuable hands-on time. The purification process can be completed within 20 to 60 minutes depending on the type of NucleoMag® kit used and the complexity of the program.



Method safety

The MACHEREY-NAGEL automation specialists have developed verified methods for nucleic acid extraction from various sample materials. All protocols are freely accessible and downloadable free of charge.

Automation benefits

Automating repetitive work processes can positively influence your work in many ways. Benefit from consistent, on-time output, reproducibility, standardization, increased hands-off time, and documented data integrity!

Minimal footprint

At just 8" x 10" (approx. the size of this brochure), the IsoPure Mini has a minimal footprint and fits on any lab bench.

Flexibility

The IsoPure Mini is an open platform and allows the modification of any protocol parameters to your needs (e.g. volume, temperature, mixing and magnetic separation conditions).

User-friendly

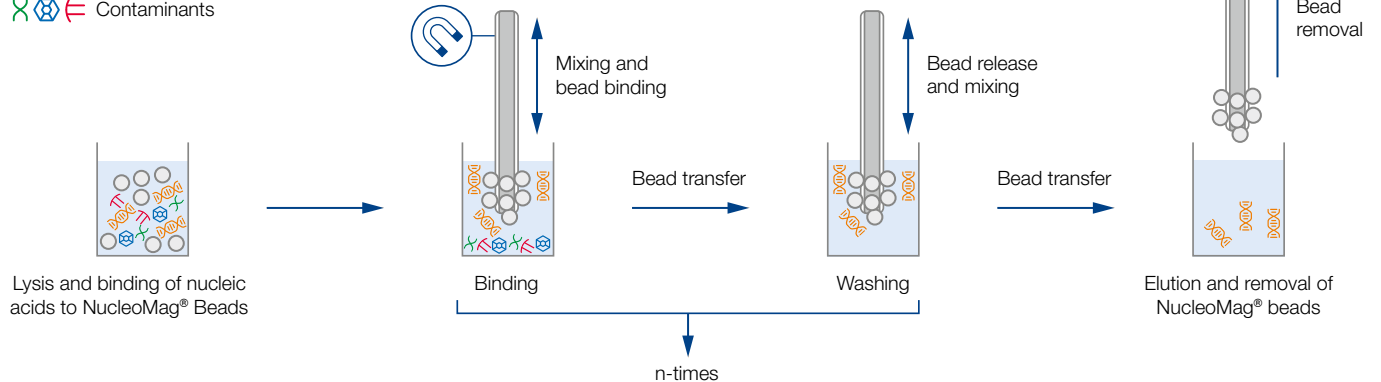
Creating a protocol is simple using the IsoPure Android app. Protocols created using the IsoPure app can be transferred to the instrument via Bluetooth® connection. In addition, the IsoPure app can generate a protocol-specific QR code that can be easily transferred to the device using the included scanner.

IsoPure Mini – Automatic nucleic acid extraction

Parameter	IsoPure Mini (16)
Display	4.3 inch-color touch screen
Capacity / volume per well	1 – 16 samples / 50 µL to 1000 µL
Magnetic bead recovery rate	> 95 %
Lysis temperature range	Ambient or heating (37 °C – 120 °C)
Elution temperature range	Ambient or heating (37 °C – 120 °C)
Mixing speed	Variable, 10 Levels
Programming control	Bluetooth®-enabled android device (not included)
Program memory	100 programs (internal memory)
Communication ports	USB for mouse, file storage & transfer; serial port scanning module
Internal lighting	LED
Contamination control	UV lamp (3 W, 253.7 nm UVC wavelength)
Program Transfer	Bluetooth®, QR scanner, USB flash drive
Dimensions	7.9 × 10.2 × 11.8 in. (20 × 26 × 30 cm)
Weight	7.0 kg / 15.4 Lbs
Electrical input	Universal 120 to 240 VAC
Warranty	2 years



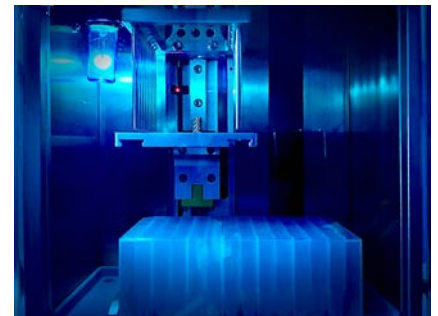
- DNA/RNA
- Magnetic beads
- Contaminants



Intuitive method transfer via QR code
 A handheld scanner is included with each IsoPure Mini, adding a convenient and fast method for loading a protocol onto the instrument. After creating or opening a protocol on a companion Android device an option for displaying a QR code is available. Simply scan the QR code to instantly transfer the protocol.



Easy to use touchscreen interface
 The touchscreen control panel on top of the IsoPure Mini allows for quick selection of stored protocols and instrument control. To execute a protocol, select it from the file list, insert a prepared sample plate and tip combs, and press the start button. Run parameters and operating status are displayed during sample processing.



Safety: UV decontamination
 An ultraviolet sterilization lamp (UVC) inside the processing chamber provides effective elimination of most bacterial, viral and stray genomic DNA contaminants. This additional safeguard reduces the possibility of contamination and downstream amplification of unwanted targets.

IsoPure Mini – Automatic nucleic acid extraction



Ordering information

IsoPure Mini and suitable consumables

The IsoPure Mini is a minimal footprint, stand-alone instrument for automated magnetic bead-based extraction of nucleic acids. The IsoPure Mini is available with compatible or additional consumables such as 96 Deep-well plates and 8-place tip combs.

Product	Specifications	Quantity	REF
IsoPure Mini	Magnetic rod system for automated nucleic acid extraction using MACHEREY-NAGEL's NucleoMag® kits, parallel processing of up to 16 samples	1	747000
Android tablet with IsoPure Mini app	Android tablet preloaded with IsoPure Mini app for simple method transfer	1	747001
96 Deep-well plates	96 deep-well plates for IsoPure Mini	25	744955
Tip combs	8-place magnetic tip comb for IsoPure Mini	50	744960

IsoPure is a brand of Accuris Instruments.

The perfect match: MACHEREY-NAGEL's nucleic extraction solutions

Verified scripts and protocols are accessible free of charge for MACHEREY-NAGEL's magnetic bead-based DNA / RNA extraction kits.

Applications	Sample material	Kit	REF
■ Plasmid DNA	Bacteria (<i>E. coli</i>)	NucleoMag® Plasmid	744750.1/.4
■ Clean up	Reaction mixtures from NGS library kits or enzymatic reaction (such as PCRs)	NucleoMag® NGS Clean up and Size Select	744970.5/.50/.500
■ RNA	Human / animal cells and tissue, plant tissue	NucleoMag® RNA Pro	744360.1/.4
	Human / animal cells and tissue, plant tissue	NucleoMag® RNA/DNA Pro	744370.1
	Blood	NucleoMag® RNA Blood	744352.1/.4
■ cfDNA	Cell-free BCT® (Streck), plasma, serum	NucleoMag® cfDNA	744550.1/.4
■ Genomic DNA	Whole blood	NucleoMag® Blood 200 µL	744501.1/.4
	Animal tissue, Cells, Human tissue	NucleoMag® Tissue	744300.1/.4/.24
	Whole blood	NucleoMag® Blood 200 µL Prefilled Plates	744510
	Animal tissue, Cells, Human tissue	NucleoMag® Tissue prefilled Plates	744302
	Swab specimens for gDNA isolation (host or microbial)	NucleoMag® DNA Swab	744601.1/.4/.24
	FFPE, fixed samples, tissue sections	NucleoMag® DNA FFPE	744320.1/.4
	Forensic traces such as blood spots, casework samples, cigarette filters, contract traces, swabs	NucleoMag® DNA Forensic	744660.1/.4
	Plant tissue	NucleoMag® Plant	744400.1/.4/.24
	Water and air samples including wastewater samples	NucleoMag® DNA/RNA Water	744220.1/.4
	Animal tissue, bacteria, fungi, human tissue, insects	NucleoMag® DNA Bacteria	744310.1/.4
	Biofilm samples (incl. swabs), soil, stool	NucleoMag® DNA Microbiome	744330.1/.4
	Food and feed	NucleoMag® DNA Food	744945.1/.4
	Animal tissue, Bacteria, Blood, Cells, Human tissue, Plant, Saliva, Swabs, Yeast	NucleoMag® HMW DNA	744160.1
	■ Viral DNA / RNA	Cell-free biological fluids, plasma, serum	NucleoMag® Virus
Animal tissue, blood, cell-free biological fluid, plasma, serum, stool, swabs		NucleoMag® VET	744200.1/.4/.100
Blood, cell-free biological fluid, human tissue, plasma, serum, stool, swabs		NucleoMag® Pathogen	744210.1/.4/.100
Animal tissue, blood, cell-free biological fluid, plasma, serum, stool, swabs		NucleoMag® VET Prefilled Plates	744209
Blood, cell-free biological fluid, human tissue, plasma, serum, stool, swabs		NucleoMag® Pathogen Prefilled Plates	744211



Script download

Scan the QR code or click the link below to get free access to verified protocols and scripts:

www.mn-net.com/IsoPureScripts

Available upon request: IsoPure 96

- Process up to 96 samples
- Sample volume: 50 – 1000 µL
- Compatible with all listed NucleoMag® Kits



www.mn-net.com

MACHEREY-NAGEL



Management System
EN ISO 13485:2016
ISO 9001:2015

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