

MACHEREY-NAGEL

# Automated nucleic acid extraction made easy

Bioanalysis



MagnetaPure 32+

- Fast, reliable and reproducible DNA/RNA extractions
- Process up to 32 samples in parallel
- Compact footprint

**MACHEREY-NAGEL**

[www.mn-net.com](http://www.mn-net.com)



# Automated nucleic acid extraction with MagnetaPure 32+

## MagnetaPure 32+ Nucleic Acid Extraction System

The MagnetaPure 32+ is an automated platform for magnetic bead-based DNA/RNA extraction with a minimal benchtop footprint. Capable of processing up to 32 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 verified protocols are provided with the instrument, for an easy and worry-free implementation of this automation solution in your lab.

### 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 417 x 410 x 426 mm, the MagnetaPure 32+ has a minimal footprint and fits on almost any lab bench.

### Flexibility

The MagnetaPure 32+ 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

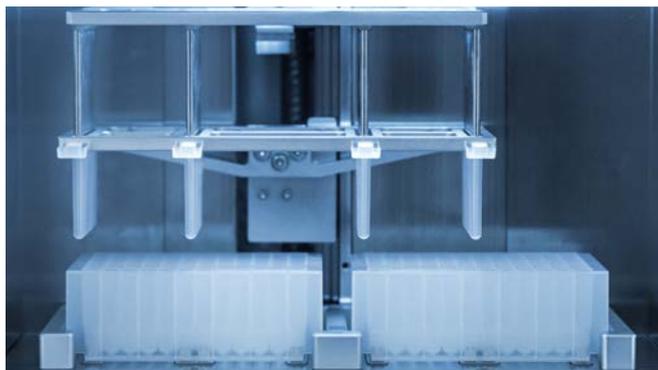
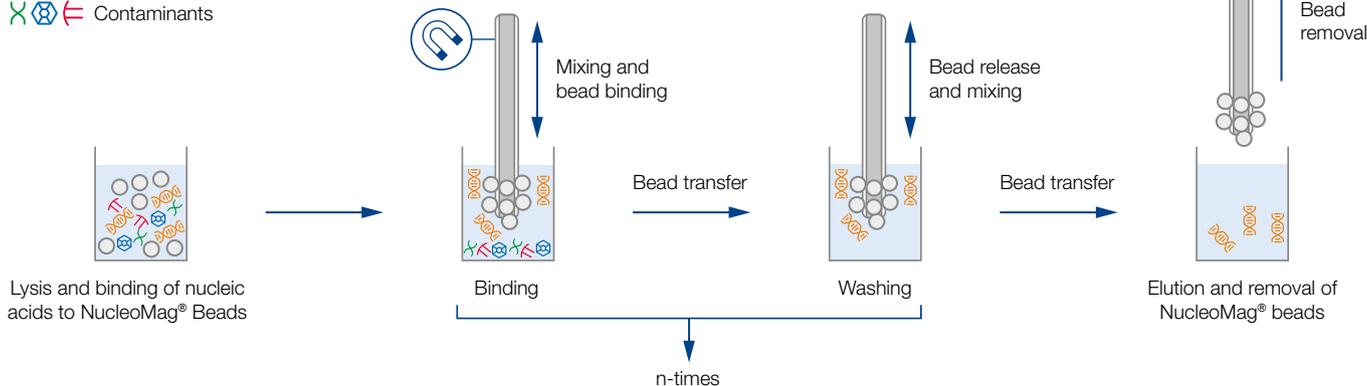
With its intuitive user interface everyone can learn to operate the device within minutes. The device can store up to 500 programs, which can be easily selected, started or modified with just a few clicks. Programs or run files can also be im- or exported to the device via USB drive.

# Automated nucleic acid extraction with MagnetaPure 32+

Parameter	MagnetaPure 32+
Principle	Magnetic rod system
Operation interface	7 inch-color touch screen
Throughput	1 – 32 samples
Processing volume	50 µL to 1000 µL
Consumables	96 deep-well plates, tip combs (see ordering information)
Lysis temperature range	Ambient +5 °C to 120 °C
Elution temperature range	Ambient +5 °C to 120 °C
Temperature precision	±0.5°C
Adjustable mixing conditions	Speed, time, height/amplitude
Magnetic separation conditions	Speed, time, heights
Program memory	500 programs (internal memory)
Internal lighting	LED
Contamination control	Internal UV lamp
Filter system	Purification filter system to reduce cross-contamination
Dimensions (W x D x H)	417 x 410 x 426 mm
Weight	20.0 kg
Power supply	Universal 110 to 240 V, 50 / 60Hz, 450 VAC

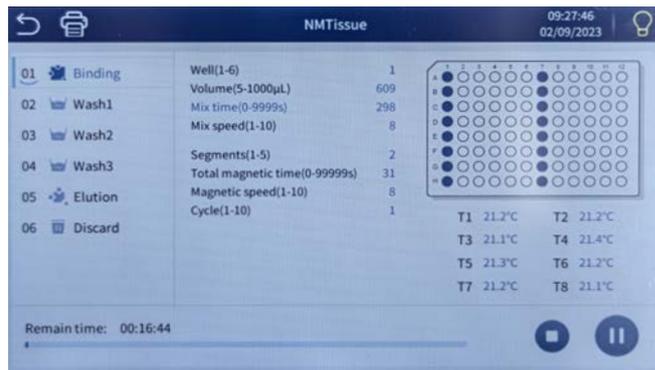


-  DNA/RNA
-  Magnetic beads
-  Contaminants



## 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.



## Easy to use touchscreen interface

The touchscreen control panel of the MagnetaPure 32+ 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.

# Automated nucleic acid extraction with MagnetaPure 32+

## Ordering information

### MagnetaPure 32+ and suitable consumables

The MagnetaPure 32+ is a minimal footprint, stand-alone instrument for automated magnetic bead-based extraction of nucleic acids. The MagnetaPure 32+ is available with compatible or additional consumables such as 96 Deep-well plates and 8-place tip combs.



Product	Specifications	Quantity	REF
MagnetaPure 32+	Magnetic rod system for automated nucleic acid extraction using MACHERY-NAGEL's NucleoMag® kits, parallel processing of up to 32 samples	1	747010
96 Deep-well plates	96 Deep-well plates for MagnetaPure 32+	25	744955
Tip combs	8-Place magnetic tip comb for MagnetaPure 32+	50	744960

MagnetaPure is a brand of DominiqueDutscher.

### The perfect match: MACHERY-NAGEL's nucleic acid extraction solutions

For MACHERY-NAGEL's magnetic bead-based DNA/RNA extraction kits, verified scripts and protocols are included in the scope of delivery.

Applications	Sample material	Kit	REF
■ 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	744350.1/.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
	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
■ Viral DNA / RNA	Cell-free biological fluids, plasma, serum	NucleoMag® Virus	744800.1/.4
	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



#### Automation made simple!

Learn more about the MagnetaPure 32+, our magnetic bead-based NucleoMag® kits and application notes at [www.mn-net.com/MagnetaPure32](http://www.mn-net.com/MagnetaPure32)

#### Worry-free setup

No programming required! All scripts come with a detailed protocol information with description of procedure steps, loading schemes, and required consumables!



[www.mn-net.com](http://www.mn-net.com)

**MACHERY-NAGEL**



Management System  
EN ISO 13485:2016  
ISO 9001:2015

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