

MACHEREY-NAGEL

NucleoMag[®] DNA/RNA purification with the MagnetaPure 32+

The MACHEREY-NAGEL automation specialists have developed verified methods for nucleic acid extraction from various sample materials.

Benefit from:

- Method safety – verified protocols and scripts
- No programming required – pre-installed NucleoMag[®] extraction protocols
- Time saving – ready-to-go and walk-away DNA/RNA extraction
- Easy handling through intuitive protocol information

You have questions about the MagnetaPure 32+ or want to learn more about suitable reagents and consumables?

Please contact us for assistance or to request a demo:

Email: sales@mn-net.com · Tel.: + 49 2421 969 0

Automated nucleic acid extraction made easy

The MagnetaPure 32+ is an automated platform for magnetic bead-based DNA/RNA extraction capable of processing up to 32 samples simultaneously. The device comes with verified scripts pre-installed on the device. For all scripts we also provide detailed protocol information with description of procedure steps, loading schemes, and required consumables. More information about the MagnetaPure 32+ can be found at www.mn-net.com/MagnetaPure32.



Application overview

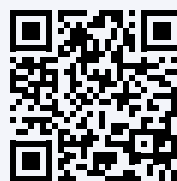
Application	Kit / REF*	Specifications	Sample materials	Script name / run time
■ Clean up	NucleoMag [®] NGS Clean-up and Size Select (744970.5 / .50 / .500)	NucleoMag [®] NGS Bead suspension (5 mL, 50 mL, 500 mL) for clean up and size selection of DNA fragments from a variety of reaction mixtures, e. g. DNA used in the library construction process for NGS	DNA fragments from a variety of reaction mixtures, e. g. DNA used in library construction process for NGS	NMNGSCleanup / approx. 30 min
				NMNGSSingleSize approx. 30 min
■ RNA	NucleoMag [®] RNA (744350.1 / .4)	Magnetic bead-based kit for the isolation of RNA from cells and tissue; including NucleoMag [®] B-Beads, buffers, rDNase	< 2 × 10 ⁶ cells, < 20 mg human / animal / plant tissue	NMRNAa / NMRNAb approx. 60 min
■ cfDNA	NucleoMag [®] cfDNA (744550.1 / .4)	Magnetic bead-based kit for the isolation of circulating DNA from plasma samples; including NucleoMag [®] P-Beads, buffers, Liquid Proteinase K	Up to 375 µL human plasma on the MagnetaPure 32+ (EDTA, Cell-Free DNA BCT [®])	NMcfDNA / approx. 30 min
■ Genomic DNA	NucleoMag [®] Blood 200 µL (744501.1 / .4)	Magnetic bead-based kit for the isolation of genomic DNA from blood; including NucleoMag [®] B-Beads, buffers, Proteinase K	≤ 200 µL whole blood (fresh or frozen, EDTA or citrate treated)	NMBlood200 / approx. 20 min
	NucleoMag [®] Tissue (744300.1 / .4 / .24)	Magnetic bead-based kit for the isolation of DNA from tissue, cells, and bacterial pellets; including NucleoMag [®] B-Beads, buffers, and Proteinase K	< 20 mg tissue; < 10 ⁶ cells; bacterial pellets	NMTissue / approx. 20 min
	NucleoMag [®] DNA Swab (744601.1 / .4 / .24)	Magnetic bead-based kit for isolation of DNA from swabs; including NucleoMag [®] B-Beads, buffers, Proteinase K	Swab specimens for DNA isolation (host or microbial)	NMDNASwab / approx. 30 min
	NucleoMag [®] DNA FFPE (744320.1 / .4)	Magnetic bead-based kit for the isolation of genomic DNA from formalin-fixed paraffin-embedded samples; including NucleoMag [®] B-Beads, buffers, Proteinase K, paraffin dissolver, decrosslink buffer	FFPE, fixed sample, tissue sections (≤ 5 mg tissue, < 15 mg paraffin)	NMFFPE / approx. 30 min
	NucleoMag [®] DNA Forensic (744660.1 / .4)	Magnetic bead-based kit for the isolation of genomic DNA from forensic traces; including NucleoMag [®] F-Beads, buffers, Proteinase K (Conformity with ISO 18385)	Forensic traces such as blood spots, casework samples, cigarette filters, contact traces, swabs	NMDNAForensic / approx. 40 min

*.1 = 96 preps; .4 = 4 × 96 preps; .100 = 100 × 96 preps

NucleoMag® DNA/RNA purification with the MagnetaPure 32+

Application	Kit / REF*	Specifications	Sample materials	Script name / run time
■ Genomic DNA	NucleoMag® Plant (744400.1 / .4 / .24)	Magnetic bead-based kit for the isolation of genomic DNA from plant samples; including NucleoMag® C-Beads, buffer, RNase A, Elution Plate U-bottom	20 – 50 mg plant tissue (wet weight)	NMPlant / approx. 20 min
	NucleoMag® DNA/RNA Water (744220.1 / .4)	Magnetic bead-based kit for the solution of DNA and / or RNA from water and air samples; including NucleoMag® B-Beads, buffers	Filtered air and water samples (10 – 1000 mL)	NMWater / approx. 40 min
	NucleoMag® DNA Bacteria (744310.1 / .4)	Magnetic bead based kit for the purification of genomic DNA from bacteria or yeast; including NucleoMag® B-Beads, buffers, Liquid Proteinase K, Liquid RNase A	< 40 mg insects < 40 mg (10 ⁸ – 10 ⁹) bacteria < 30 mg fungi < 30 mg lipid rich tissue < 40 mg other tissues	NMDNABacteria / approx. 40 min
	NucleoMag® DNA Microbiome (744330.1 / .4)	Magnetic bead-based kit for the purification of microbial DNA from soil, biofilm and fecal samples contains NucleoMag® B-Beads, buffers	50 – 200 mg biofilm samples (incl. swabs), soil, stool	NMMicrobiome / approx. 50 min
	NucleoMag® DNA Food (744945.1 / .4)	Magnetic bead-based kit for the isolation of genomic DNA from food and feed samples; including NucleoMag® B-Beads, buffers, Liquid Proteinase K	< 200 mg food and feed samples, fluid samples like milk or juice	NMFood / approx. 40 min
■ Viral DNA / RNA	NucleoMag® Virus (744800.1 / .4)	Magnetic bead-based kit for the isolation of viral RNA / DNA from cell-free biological fluids; including NucleoMag® V-Beads, buffers, Carrier RNA and Proteinase K	< 200 µL cell-free biological fluid, plasma, serum	NMVirus / approx. 20 min
	NucleoMag® Pathogen (744210.1 / .4 / .100)	Magnetic bead-based kit for the isolation of viral RNA / DNA, and microbial DNA from human clinical samples; including NucleoMag® B-Beads, buffers, Carrier RNA and Proteinase K	≤ 200 µL whole blood, serum, plasma, ≤ 200 µL swab wash solution ≤ 25 mg tissue ≤ 200 µL feces	NMPathogen / approx. 30 min
	NucleoMag® VET (744200.1 / .4 / .100)	Magnetic bead-based kit for the isolation of viral RNA / DNA, and microbial DNA from veterinary samples; including NucleoMag® B-Beads, buffers, Carrier RNA and Proteinase K	≤ 200 µL whole blood, serum, plasma, ≤ 200 µL swab wash solution ≤ 25 mg tissue (e. g. ear notch) ≤ 200 µL feces	NMVET / approx. 30 min

*.1 = 96 preps; .4 = 4 x 96 preps; .100 = 100 x 96 preps



Automation made simple!

Find more about the MagnetaPure 32+, our magnetic bead based NucleoMag® kits and application notes at

www.mn-net.com/MagnetaPure32



Follow us



www.mn-net.com

MACHEREY-NAGEL



Management System
EN ISO 13485:2016
ISO 9001:2015
www.tuv.com
ID 9000008338

MACHEREY-NAGEL GmbH & Co. KG
Valenciennner Str. 11
52355 Düren · Germany

DE Tel.: +49 24 21 969-0 info@mn-net.com
CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
US Tel.: +1 888 321 62 24 sales-us@mn-net.com

