

NucleoMag[®] DNA/RNA purification with the IsoPure Mini

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
- Time saving – free-accessible methods
- True ready-to-go and walk-away DNA/RNA extraction
- Easy handling through intuitive protocol information

Simple method transfer:



A handheld scanner is included with each IsoPure Mini device, adding a convenient and fast method for loading a protocol onto the instrument. Simply scan the QR codes below to instantly transfer the protocols to your IsoPure Mini. For more information regarding loading schemes and set-ups, please download the protocol information from www.mn-net.com/IsoPureScripts.

You have questions about the IsoPure Mini or want to learn more about suitable reagents and consumables?


Please contact us for assistance or to request a demo:
Email: sales-us@mn-net.com · Tel.: +14848210984






Application overview

Application	Kit / REF*	Specifications	Sample materials	Script name / run time	QR Code
■ 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	
				NMGSSingleSizeSel/ approx. 30 min	




IsoPure Mini application overview

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■ 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	NMRNA/ 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 IsoPure Mini (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	




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■ Genomic DNA	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 samples, tissue sections (≤ 5 mg tissue, < 15 mg paraffin)	NMDNAFFPE/ approx. 30 min	




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■ Genomic DNA	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, contract traces, swabs	NMForensic/ approx. 40 min	
	NucleoMag® Plant (744400.1 / .4 / .24)	Magnetic bead-based kit for the isolation of genomic DNA from plant samples; including NucleoMag® C-Beads, buffers, 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 isolation 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	

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■ Genomic DNA	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	NMBacteria/ 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. 40 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	

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■ 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 notches) ≤ 200 µL feces	NMVET/ approx. 30 min	

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

www.mn-net.com

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