

NYMA-96

AUTOMATIC NUCLEIC ACID PURIFICATION SYSTEM

Ringene NYMA-96 is a fully automatic nucleic acid extraction system designed for purification of up to 96 samples by single run with standard 2.2 ml deep 96-well plate based on magnetic bead method. The system is an open platform able to work with similar 96-well plate reagents from different manufacturers (Sunshure, Bioneer, Biobase, Shanghai ZJ, Allsheng and more). Its open design allows users to input own protocols and optimization choices fit for nucleic acid purification kits from different manufacturers.

By its touchscreen interface and easy operation, parameters can be tuned based on experimental requirements easily in 5 minutes. Accurate temperature control system with 2 parallel sensors on board ensures proven heating temperature stability and control. Central rotary table allows workspace with smaller area compared to similar products. Plate loading, unloading and extraction process are fully automatic.



User can adjust the number of samples per run from 1 to 96 by inputting its parameters and adjusting its reagent consumption.

Ringene manufactures magnetic bead based kits for NYMA-96 and other open platforms of which protocols are well stabilized on over 20 different samples and materials.

Magnetic base, sensor and autosampler parts are of EU origin.

Protocol for magnetic bead based extraction kits from various manufacturers can be input into the system. Full installation, technical and application training and service package can be offered based on purchaser's need.



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Nucleic acid extraction method	Positive charged magnetic beads
Platform design	Open (can apply any kits, reagents)
Platform compatibility	All types of magnetic bead based kits
Automation design	Single axletree style rotating autosampler, heating
Number of samples per run	1-96
Run time	25-120 min (based on sample material)
Processing volume	50-1000 UL
Plate loading	96-deep-well plate and 96-well plate, 5 positions
Plate heating	Up to 120°C with 0.1°C unit
Liquid loading and pumping efficiency	>99%
Nucleic acid collection efficiency	>95%
Internal sterilization	UV light
Air flow / exhaustion control	Fan with 15 mm diam. HEPA filter
Extension interface	4 standard USB port, built-in SD card
Operation	7", color touchscreen, English
Program saving capacity	Up to 140 programs / protocols
Power supply	450 W, 220-240 VAC or 110-120 VAC, 50-60 Hz
Dimensions	560 × 620 × 500 mm
Weight	56 kg

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Nucleic acid extraction kits and consumables

Ringene manufactures and supports magnetic bead based kits for the extraction of nucleic acid from over 20 different types of biological and environmental material. Customer can make a bulk order up to 50000 sample kits.

Consumables can be supplied separately by customer's inquiry.

Product Number	Consumables	Unit amount
MPUR002-001	Magnetic Tip Comb	pack (10 pcs)
MPUR003-001	96-Deep-Well Plate	pack (10 pcs)
MPUR004-001	96-Well Elution Plate	pack (10 pcs)

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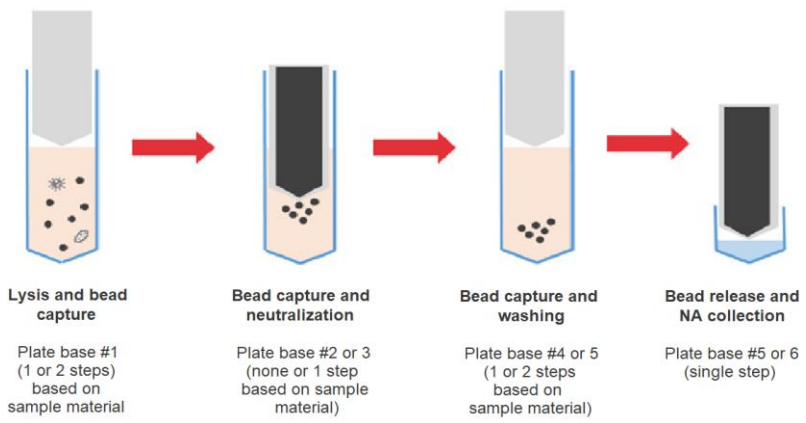
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Kits, consumables	Unit amount	Product Number
Blood Viral DNA/RNA Extraction Kit	96	MPUR005-001
	5 x 96	MPUR005-005
Blood RNA Extraction Kit	96	MPUR006-001
	5 x 96	MPUR006-005
Blood Genomic DNA Extraction Kit	96	MPUR007-001
	5 x 96	MPUR007-005
Blood microRNA Extraction kit	96	MPUR008-001
	5 x 96	MPUR008-005
Blood cfDNA Extraction Kit	96	MPUR009-001
	5 x 96	MPUR009-005
Cell Culture / Tissue RNA Extraction Kit	96	MPUR010-001
	5 x 96	MPUR010-005
Cell Culture / Tissue Genomic DNA Extraction Kit	96	MPUR011-001
	5 x 96	MPUR011-005
Serum/plasma Viral DNA/RNA Extraction Kit	96	MPUR012-001
	5 x 96	MPUR012-005
Saliva Viral DNA/RNA Extraction Kit	96	MPUR013-001
	5 x 96	MPUR013-005
Saliva Genomic DNA Extraction Kit	96	MPUR014-001
	5 x 96	MPUR014-005
Tissue Genomic DNA Extraction Kit	96	MPUR015-001
	5 x 96	MPUR015-005
Tissue Viral DNA/RNA Extraction Kit	96	MPUR016-001
	5 x 96	MPUR016-005
Tissue microRNA Extraction Kit	96	MPUR017-001
	5 x 96	MPUR017-005
Plasmid DNA Extraction (Miniprep) Kit	96	MPUR018-001
	5 x 96	MPUR018-005
Paraffin DNA Extraction Kit	96	MPUR019-001
	5 x 96	MPUR019-005

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Kits	Unit amount	Product Number
Agarose Gel / Reaction Product DNA Purification Kit	96	MPUR020-001
	5 x 96	MPUR020-005
Bacterial DNA Extraction Kit	96	MPUR021-001
	5 x 96	MPUR021-005
Plant Genomic DNA Extraction Kit	96	MPUR022-001
	5 x 96	MPUR022-005
Plant RNA Extraction Kit	96	MPUR023-001
	5 x 96	MPUR023-005
Fish Genomic DNA/RNA Extraction Kit	96	MPUR024-001
	5 x 96	MPUR024-005
Insect Genomic DNA Extraction Kit	96	MPUR025-001
	5 x 96	MPUR025-005
Insect RNA Extraction Kit	96	MPUR026-001
	5 x 96	MPUR026-005
Soil DNA Extraction Kit	96	MPUR027-001
	5 x 96	MPUR027-005
Stool (feces) Extraction Kit	96	MPUR028-001
	5 x 96	MPUR028-005



Ringene nucleic acid extraction kit is composed of 3-5 each containing specific reagent per well. The number of reagents and plates in a kit depends on nucleic acid extraction material.

Each kit comes with qualified protocol which can be input on any automatic

nucleic acid purification open platform from different manufacturers. Extraction protocol has 4-6 steps based on kit and its reagent pack.

