

**MagCore®
Automated
Nucleic Acid
Extractor**

MagCore® Super

MagCore® Super is RBC Bioscience's most advanced and efficient robotic workstation for nucleic acid extraction. It is the first platform combining EXTRACTOR and SPECTOPHOTOMETER. Users are benefited with automatic purification, OD values retrieval and final eluate concentration measurement. It is equipped with a colored touch screen, thermo printer, barcode scanner, USB flash p&p.



Worldwide Patented Magnetic Beads

With RBC patented magnetic bead technology, cellulose coating particles give high binding capacity and the best purity of nucleic acid.



Ideal for DNA/RNA Extraction

Built-in protocols are created for various sample types including whole blood, viral nucleic acid, tissue, plant, cultured cells, etc.



Automatic Optical Scanning and Retrieval of OD Values

The optical module provides O.D. A260 and A280 of individual samples.



UV Decontamination

The equipped UV lamp prevents the risk of cross-contamination, improving user safety and product quality.



Barcode Scanner

It enables a complete tracking of samples throughout the entire purification process and helps systematically organize test results.



Test Report

Test results can be saved inside of internal memory and/or printed out by a built-in printer.



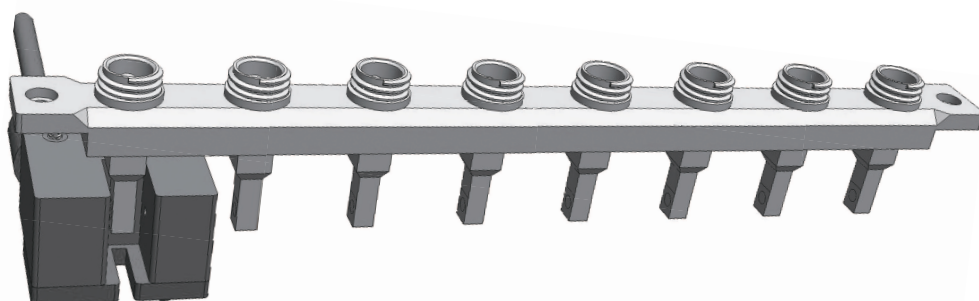
Built-in USB Output (USB flash drive not provided)

It is convenient for users to save test reports in excel format by a USB flash drive.



Thermo Printer

Test reports are available in hard copy by printing out.



Specification

Model: Super

Processing Capacity:

Max. 16 samples per batch

System Components:

1. Pipetting Unit: dispensing, transferring, X-Y two axis movements
2. Electric Control: PLC module and Arm-based main board embedded in
3. UV Light: power 8w, life duration 1,000hrs
4. Heating Block: RT~90° C
5. OD Detection Range: ABS 0-6
6. Detection Source: D2 lamp
7. Detection Wavelength: 260nm, 280nm
8. Display Screen: 7-inch color touch panel
9. Accessories: T-racks, cartridge racks, cuvette racks, barcode scanner, thermal printer

System Feature:

1. Special design of cartridge racks for an easy installation; auto-cartridge locking.
2. An optical module built-in for auto-OD value retrieval and derived concentrations of eluates. (ABS<6)
3. Visual and audio alarms appear along with the emergency stop.
4. Test results can be saved by a USB drive and printed out by a built-in printer.

Power Supply:

Voltage: AC 100V ~240V; Frequency: 50/60Hz

Dimension:

W760 x D700 x H770 (mm) / W29.92 x D27.55 x H30.31 (inches)

Net Weight:

78kg / 171.99lbs

Operating Parameters

Processing Capacity:

1~16 samples per batch

Sample Volume:

200/400/1200ul

Elution Volume:

60/100/150/200 µl

Purity:

DNA: O.D A_{260/280} ratio 1.8 ± 0.1

RNA: O.D A_{260/280} ratio 2.0 ± 0.2

Operating Environment

Storage Temperature:

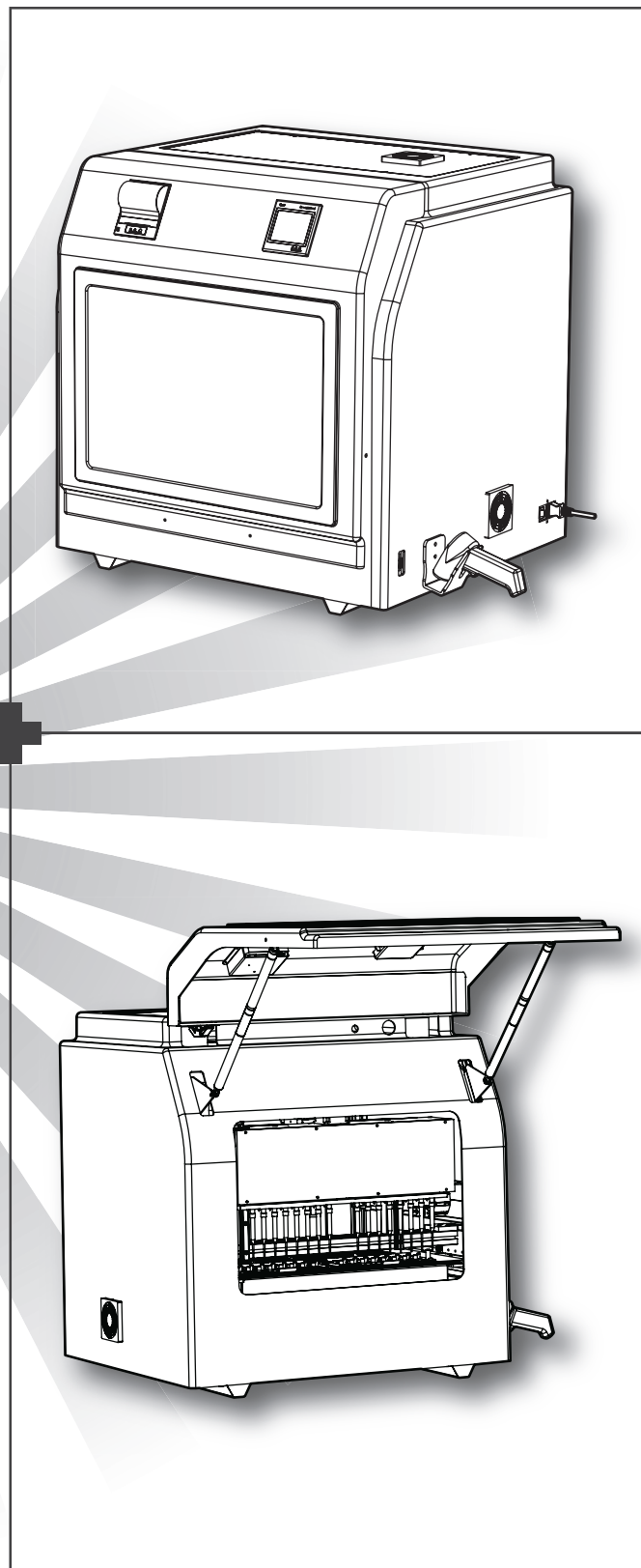
15°C~35°C

Operation Temperature:

18°C~30°C

Pollution Degree:

Indoor



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MagCore® Automated Nucleic Acid Extractor Overview



MagCore® HF16
New Generation
Cost-Effective

MagCore® HF16 Plus
Spectrophotometer Built-in
New!

MagCore® Super
Economical and Space Saving
New!

MagCore® Compact
High Capacity Module

MagCore® HF48

1-8 Samples								
1-16 Samples								
1-48 Samples								
Built-in Spectrophotometer								
Touch Screen								
UV Decontamination								
Barcode Scanner								
Thermo Printer								
Programs Built-in (Upgradable via RS232 ports)								
Programs Built-in (Upgradable via USB ports, Plug&Play)								



MagCore® Nucleic Acid Extraction Kits:					Whole Blood	Buffy Coat	Plasma/Serum	Cell-free body fluids	Free circulating DNA	Animal Tissue	Plant Tissue	Bacterial/Spurium	Swab	FFPE	Stool	Forensic specimens
	Cat No.	Cat No.	Cat No.	Cat No.												
	36 preps	72 preps	96 preps													
Genomic DNA	101	MagCore® Genomic DNA Whole Blood Kit (Speedy installation)	MGB400-01		MGB400-02	✓										
	102	MagCore® Genomic DNA Whole Blood Kit	MGB400-03		MGB400-04	✓										
	104	MagCore® Genomic DNA Large Volume Whole Blood Kit (1.2 ml)			MGB1200	✓										
	105	MagCore® Plasma DNA Extraction Kit (1.2 ml)			MPD1200		✓	✓								
	110	MagCore® Cultured Cells DNA Kit	MCC-01		MCC-02			✓								
	301	MagCore® Genomic DNA Plant Kit	MGP-01		MGP-02				✓							
	401	MagCore® Genomic DNA Tissue Kit	MGT-01		MGT-02				✓	✓	✓	✓	✓	✓	✓	✓
	405	MagCore® Genomic DNA FFPE One-Step Kit	MGF-01	MGF-03									✓			
	502	MagCore® Genomic DNA Bacterial Kit	MBB-01		MBB-02						✓					
	Viral Nucleic Acids	201	MagCore® Viral Nucleic Acid Extraction Kit	MVN400-01		MVN400-02	✓	✓	✓							
202		MagCore® Viral Nucleic Acid Extraction Kit (Low PCR Inhibition)	MVN400-03		MVN400-04	✓	✓	✓								
210		MagCore® Viral Nucleic Acid Large Volume Extraction Kit (2.4 ml)			MVN2400	✓	✓	✓								
211		MagCore® Viral Nucleic Acid Large Volume Extraction Kit (1.2 ml)			MVN1200	✓	✓	✓								
Total RNA		601	MagCore® Total RNA Whole Blood Kit	MIRN-01		MIRN-02	✓									
	610	MagCore® Total RNA Cultured Cells Kit	MRC-01		MRC-02			✓	✓	✓	✓	✓	✓	✓	✓	✓

* For isolation of total RNA from animal tissues and FFPE samples, the MagCore total RNA Cultured Cells Kit is a relatively suitable choice and functions with a special protocol. In the near future, a more unique and convenient reagent will be developed for the extraction of RNA from animal tissue and FFPE samples.