

**MagCore®
Automated
Nucleic Acid
Extractor**

MagCore® HF16 Plus



MagCore® HF16 Plus is the 2nd generation of HF 16 with improvements at mechanical design and program efficiency. With a user friendly design and built-in programs, up to 16 samples can be isolated at your fingertip. CE-IVDD certificated reagent kits available for various samples of whole blood, serum, plasma, body fluids, bacteria, plant, cultured cells, tissues, etc. Barcode scanner and thermo printer are available on request.



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.



UV Decontamination

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



Barcode Scanner (optional)

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



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.



MagCore® HF16 Plus Overview

Specification

Model: HF16 Plus

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 1,000 hr
4. Heating Block: RT~90 °C
5. Display Screen: 7-inch color touch panel
6. Accessories: T-racks, cartridge racks, barcode scanner (optional)

System Feature:

1. Special design of cartridge racks for an easy installation; auto-cartridge locking.
2. Visual and audio alarms appear along with the emergency stop.

Power Supply:

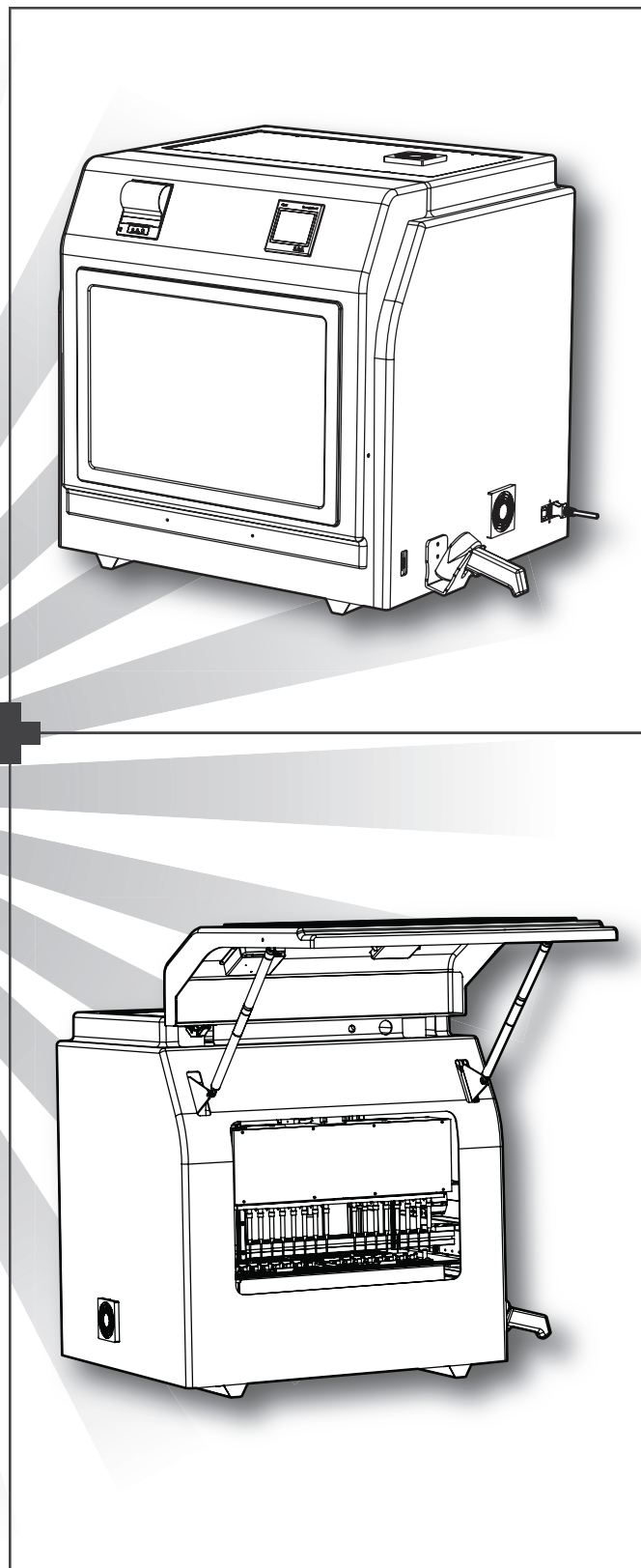
Voltage: AC 100V~ 240V; Frequency: 50/60Hz

Dimension:

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

Net Weight:

70kg / 154.35lbs



Operating Parameters

Processing Capacity:

1~16 samples per batch

Sample Volume:

200/400/1200 µl

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
Cost-Effective
New Generation

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)
	✓	✓	✓	✓	✓	optional	optional	✓	✓
✓	✓	✓	✓	✓	✓	optional	optional	✓	✓

MagCore® Nucleic Acid Extraction Kits Selection Guide



	Cat No. 36 preps	Cat No. 72 preps	Cat No. 96 preps	Whole Blood	Buffy Coat	Plasma/Serum	Cell-free body fluids	Urine	Free circulating DNA	Cultured cells	Plant Tissue	Bacterial/Spore	FFPE	Stool	Forensic specimens
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								✓				
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)			MVN2-400	✓	✓										
211 MagCore® Viral Nucleic Acid Large Volume Extraction Kit (1.2 ml)			MVN1-200	✓	✓										
601 MagCore® Total RNA Whole Blood Kit	MRN-01		MRN-02	✓											
610 MagCore® Total RNA Cultured Cells Kit	MRC-01		MRC-02							✓					✓*

Genomic DNA

Viral Nucleic Acids

Total RNA

* 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.