

MagCore® Automated Nucleic Acid Extractor

Most popular with high CP value

MagCore® HF16 Plus

MagCore® HF16 Plus is the 2nd generation of HF16 with brand new mechanical design and improved program efficiency. With a user friendly design and built-in programs, up to 16 samples can be processed at your fingertip. CE-IVDD certificated reagent kits available for various samples of whole blood, serum, plasma, body fluids, bacteria, plant, cultured cells, tissues, and viruses. Optional barcode scanner available upon request.



Worldwide Patented Magnetic Beads

Cellulose-coated magnetic beads, coupled with our patented binding and separation technology, guarantee high quality extracts.



Ideal for both DNA/RNA Extraction

Built-in protocols are created for extracting nucleic acids from whole blood, plasma, tissue cell, plant cell, bacteria cell and virus samples.



UV Decontamination

The equipped UV lamp minimizes the risk of cross-contamination and ensures user and product safety.



High Capacity of 16 Samples

The instrument and protocols allow running up to 16 samples at one time, providing time-saving and flexible operation.



Built-in Programs (Upgradeable via USB ports, Plug&Play)

MagCore® HF16 Plus has built-in protocols for all of the extraction kits we offer. Simply run the protocol by selecting the 3-digit code printed on the kit of interest.

MagCore® is equipped with a USB port. Free upgrade of software or protocols can be downloaded from our website (www.rbcbioscience.com).



Touch Screen with User Friendly Interface

An integrated 7-inch full-color touch screen with user-friendly interface offers ease in operation. Only one touch is required to run your daily work.



Barcode Scanner (optional)

It enables sample tracking and monitoring throughout the entire purification process and helps organize test results.

Easy To Use

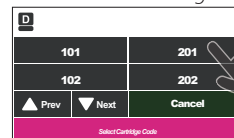
Load Samples



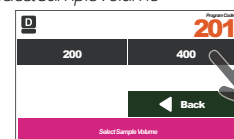
Install Accessories



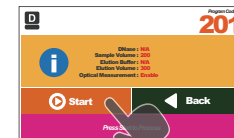
Select the code of the cartridge.



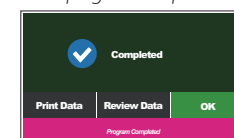
Select Sample Volume



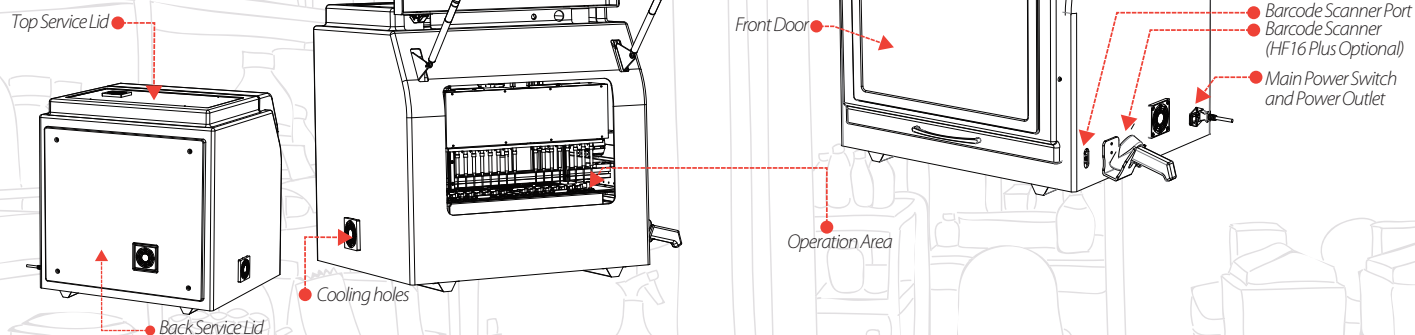
Press Start



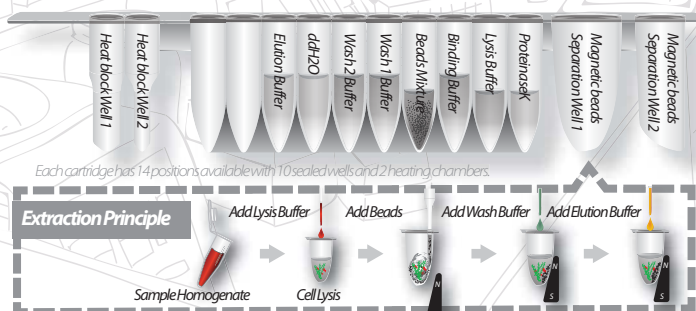
A Beep Sound can be heard when the program completes.



MagCore® HF16 Plus System Overview



Cartridge Design and Extraction Principle



Specification

Model	HF16 Plus
System Method	Cellulose coated magnetic beads
System Components	1. Pipetting Unit: X and Y-axis movement for sample transfer and dispense. 2. Electric Control: PLC module and ARM-based main board embedded in. 3. UV Light: Power 8W, life duration 11,000 Hrs. 4. Heating Block: RT~90°C. 5. Display Screen: 7 inch colored touch panel. 6. Accessories: T - Rack, Cartridge Rack, Barcode Scanner (optional)
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
Processing Time	30-90 minutes (depends on sample type and method)
Sample Volume	200 µl/400 µl/1,200 µl
Elution Volume	30 µl/60 µl/100 µl/150 µl/200 µl
Yield	Average 6 µg Genomic DNA from 200 µl human whole blood
Purity	DNA: OD _{A₂₆₀/280} ratio 1.8 ± 0.1 RNA: OD _{A₂₆₀/280} ratio 2.0 ± 0.2
Pipetting Accuracy	500 µl ≤ 4%

Operating Environment

Temperatures allowed during transportation, storage, and packaging	15°C-35°C
Temperatures allowed during operation	18°C-30°C
Pollution Degree	Level 2



FDA (10055336) registered and CE-IVD certified (Instruments & Reagents)
Manufactured in accordance with quality system requirements that comply with ISO 13485 standards and QSR



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