MagCore® Automated Nucleic Acid Extractor

MagCore® Super

MagCore® Super is RBC Bioscience's most advanced and efficient robotic workstation for nucleice 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

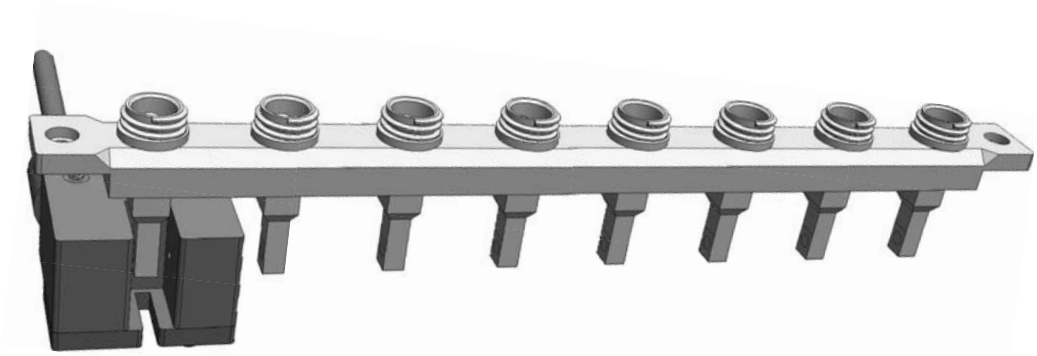
Test results can be saved inside of internal memory and/or printed out by a built-in printer.

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.



MagCore®

MagCore® Super Overview

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 11,000hrs
4. Heating Block: RT~80° C
5. OD Detection Range: ABS 0 -2.5
6. Detection Source: D2 lamp
7. Detection Wavelength: 260nm, 280nm
8. Display Screen: 3-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. (OD<2.5)
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

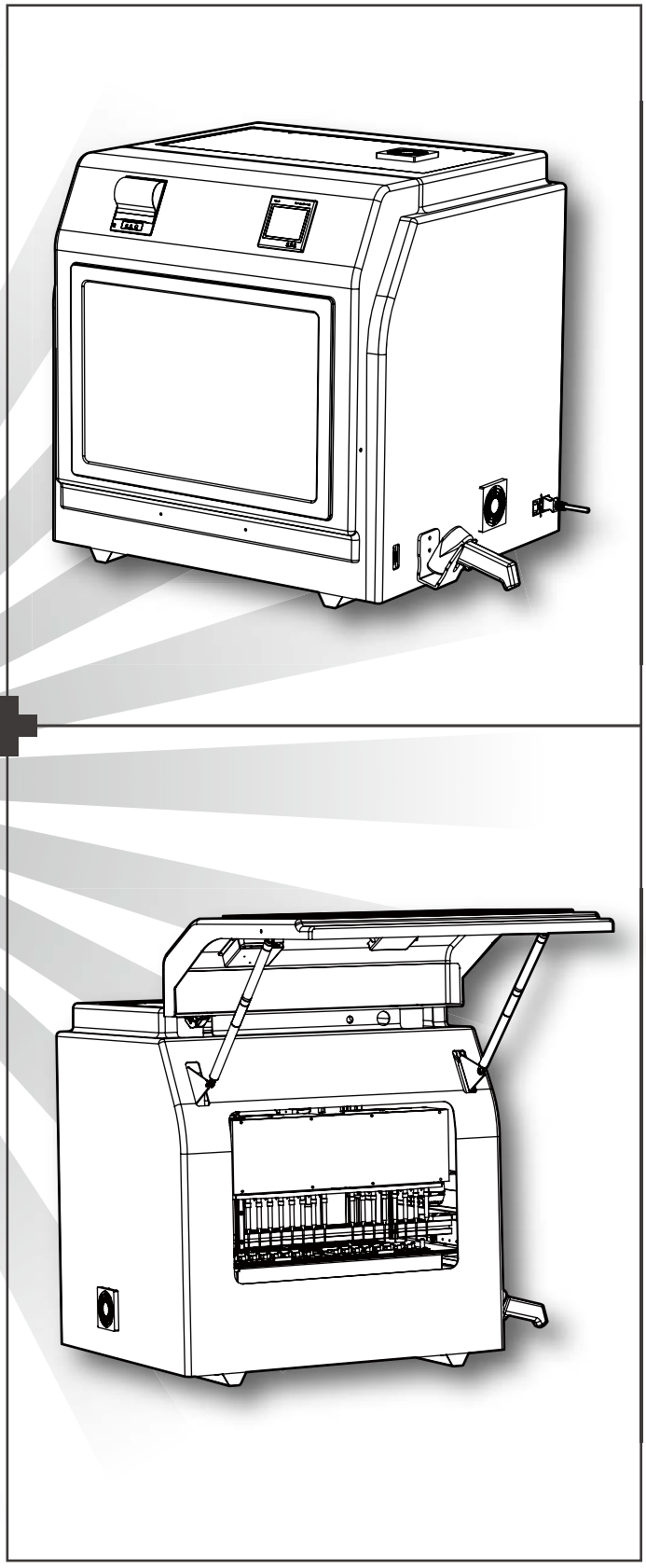
Purity:
DNA : O.D $A_{260/280}$ ratio 1.8 ± 0.1
RNA : O.D $A_{260/280}$ ratio 2.0 ± 0.2

Operating Environment

Storage Temperature:
15℃~35℃

Operation Temperature:
18℃~30℃

Pollution Degree:
Indoor



RBC Bioscience Corp.
www.rbcbioscience.com
info@rbcbioscience.com