



## FLOOR STANDING SHAKING INCUBATOR BJW-503

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## HIGH SPEED STACKABLE REFRIGERATED SHAKING INCUBATOR



7" LCD Touch Screen: Displays and sets temperature, humidity, CO<sub>2</sub>, speed, and time on a single interface. Includes an encrypted lock and alternative shaking platform rotation.

Data Recording & Analysis: Records up to 5 years of data including temperature and humidity curves, with a USB interface for easy export.

Automatic Humidity Control (Optional): External humidity control module replenishes R.O or distilled water and vaporizes it to high-temperature steam into air duct, reaching humidity up to 90%.

Advanced Refrigeration & Defrost: Adjustable cooling for precise temperature control with timed defrost to prevent freezing during extended low-temperature operation.

Adjustable Heating Power on Door Glass and Frame: Optimizes temperature and energy

## SPECIFICATIONS

|                                       |                                                                       |
|---------------------------------------|-----------------------------------------------------------------------|
| Model                                 | BJW-503                                                               |
| Layers                                | 3                                                                     |
| No-load shaking speed                 | 10 ~ 1000rpm (three motors driven)                                    |
| shaking speed accuracy                | ±1rpm                                                                 |
| Orbit diameter                        | Φ3mm                                                                  |
| Temperature control range             | 4~60°C(RT at 23°C~25°C)                                               |
| Temperature control accuracy          | ±0.1°C                                                                |
| Temperature uniformity                | ±0.5°C(at 37°C)                                                       |
| Inner chamber                         | Round corner                                                          |
| Display screen                        | 7" LCD touch screen                                                   |
| Convection mode                       | Forced convection                                                     |
| Control                               | P.I.D microcomputer intelligent control                               |
| Timing range                          | 0-999.9 hours                                                         |
| Shaking platform size                 | 3 platforms/layer, each 535mmx298mm                                   |
| Standard configuration                | High speed micro-plate hole holder (96-well plate*30, up to 2 layers) |
| Power supply                          | AC220±10%, 50~60Hz                                                    |
| Overall Dimensions(WxDxH)             | 1360mmx820mmx1740mm                                                   |
| Overall Dimensions(L*W*H)             | 586kg                                                                 |
| Noise level                           | Below 65dB                                                            |
| Distance from shaking platform to top | 345mm                                                                 |
| Alt Name                              | Stackable Refrigerated Shaking Incubator                              |

## FEATURES

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Automatic Humidity Control (Optional): External humidity control module replenishes R.O or distilled water and vaporizes it to high-temperature steam into air duct, reaching humidity up to 90%.

Advanced Refrigeration & Defrost: Adjustable cooling for precise temperature control with timed defrost to prevent freezing during extended low-temperature operation.

Adjustable Heating Power on Door Glass and Frame: Optimizes temperature and energy efficiency, preventing glass fogging and

condensation.

Fabric Blackout Curtains (Optional): Blocks external light to prevent interference during culture.

IQ/OQ/PQ Validation (Optional): Ensures quality and reliability through thorough installation, operation, and performance checks.

Modbus RS232/RS485/RJ45 (Optional): Flexible industrial communication options for reliable data exchange across serial and network connections.

Online App Monitoring (Optional): Enables remote tracking and management of equipment.

Triple platform control: Allows one, two, or three platforms to run with individually set speeds, ensuring precise control, high-speed performance, and stable operation.



Over-temperature alarm



UV sterilization



Imported compressor



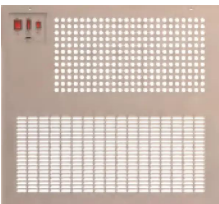
User-friendly design



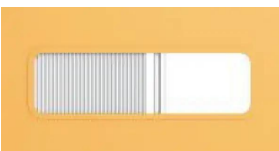
Power failure recovery



Integrated molded frame



Lightweight thermal dissipation frame



Embedded blackout curtain



LCD Touch screen



Leakage protection

## MORE INFO

Performance Overview:

**Stackable Design:** Configurable with one to three layers, saving space.

**Layer Design:** The bottom two layers feature downward-opening doors, while the top layer has an upward-opening door.

**Independent Control:** Each layer can be controlled separately with the capability to operate at different temperatures and speeds simultaneously.

**Screwless Stamped Door:** Provides a sleek, aesthetically pleasing design.

**Antibacterial Design:** Inner chamber made of antibacterial 304 stainless steel, offering easy cleaning and a bacteriostasis rate of up to 99%.

**CFC-Free Refrigerant:** Ensures low noise, effective refrigeration, and stable long-term operation at low temperatures.

**Safety Protection:** Includes over-temperature alarm and automatic power-off, and stops immediately when the door is opened.

**Automatic Restart:** Non-volatile memory ensures smooth recovery after power interruptions.

**Ferrite Filter Ring:** Suppresses electromagnetic interference and improves signal quality.

**UV Lamp:** UV sterilization for effective germicidal action.



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