



# PRODUCT CATALOG



## RECIPROCAL SHAKER BJW-1903

# RECIPROCAL SHAKER BJW-1903

STACKABLE REFRIGERATED SHAKING INCUBATOR RECIPROCATING MOTION



7" LCD Touch Screen: Displays and sets temperature, speed, and time on a single interface. Includes an encrypted lock and alternative shaking platform rotation.  
Advanced Refrigeration & Defrost: Adjustable cooling for precise temperature control with timed defrost to prevent freezing during extended low-temperature operation.

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

Photosynthetic Light (Optional): Offers adjustable light intensity reaching up to 30,000 LUX. This system is energy-efficient, delivers high light output, and has a long service life, white/blue/red sources available.

Reserved Tubing Inlet: Specialized side inlet is designed to meet the oxygen needs of the samples.

## SPECIFICATIONS

Model	BJW-1903
Layers	3
No-load shaking speed	10 ~ 300rpm( $\phi$ 26mm);10 ~ 250rpm( $\phi$ 50mm)
shaking speed accuracy	$\pm$ 1rpm
Orbit diameter	$\phi$ 26mm(standard), $\phi$ 50mm(optional)
Temperature control range	4 ~ 60°C(RT at 23°C~25°C)
Temperature control accuracy	$\pm$ 0.1°C
Temperature uniformity	$\pm$ 0.5°C(at37°C)
Display screen	Non-touch screen
Convection mode	Forced convection
Control mode	P.1.D microcomputer intelligent control
Maximum capacityof each layer (plastic clamp)	250mlx60 or 500mlx4or 1000mlx23 or 2000mlx15
Maximum capacityof each layer(stainless steel clamp)	250mlx66 or 500mlx45or 1000mlx28 or 2000mlx15
Timing range	0-99.9hours
Shaking platform size	928mmx530mm
Standard configuration	Plastic clamp/S.S clamp/sticky mat/spring holder
Power Supply	AC220 $\pm$ 10%, 50 ~ 60Hz
Overall Dimensions(WxDxH)	1360mmx820mmx1740mm
Overall Dimensions(L*W*H)	584kg
Noise level	Below 65dB
Distance from shakingplatform to top	365mm
Alt Name	Stackable Refrigerated Shaking Incubator Reciprocating Motion

## FEATURES

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**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.  
**Magnetic Drive (Optional):** Maintenance-free, ensuring ultra-smooth and quiet operation.  
**Amplitude Adjustment (Optional):**  $\Phi 1.2.5\text{mm}/\Phi 25\text{mm}/\Phi 50\text{mm}$  adjustable by magnetic drive with counterweight.



Imported compressor



User-friendly device



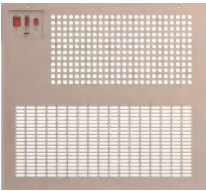
Over-temperature alarm



Power failure recovery



UV sterilisation



Light weight dissipation frame



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.

Triple Eccentric Drive: Provides smooth, stable, and reliable operation

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 timing sterilization for effective germicidal action



## **Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)