



Applied Biological Materials Inc.

Telephone:1-866-757-2414

Email:info@abmgood.com

Website:www.abmGood.com

Stackable CO₂ Incubator Shaker – 315L

Cat.No.	Unit
Q5102	1

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Name	Stackable CO ₂ Incubator Shaker – 315L
Unit	1
Category	Equipment and Lab Consumables
Description	<p>abm's Stackable CO₂ Incubator Shaker is a user-friendly and effective incubator shaker with multi-sterilization system. Units can be stacked up to three in the same footprint, Equipped with an enhanced humidity control system, this incubator provides precise temperature control to prevent bacterial contamination. In addition, our model vaporizes water with high temperature to achieve the best humidification effect, and at the same time eliminate secondary condensation caused by the traditional ultrasonic humidification system.</p>

Key Features

- Large 7-inch LCD touch control screen
- Up to 5 programmable settings (i.e. temperature, speed, CO₂ concentration, time)
- Multi-UV sterilization units
- Stainless steel design for easy cleaning
- Screen lock system to avoid accidental operations
- Audible and visual alarms
- Removable and easy-to-clean sticky pads maximizes the usable space
- Stackable design up to 3 units

Technology

- Double-layer glass door provides excellent thermal insulation

Door heating function prevents condensation to allow clear view of culture at all times

Heatless waterproof fan ensures uniformity of temperature, CO₂ concentration, and humidity in comparison to traditional fans

Optimized PID parameter settings that do not cause temperature overshoot during temperature rise and fall


Noise reduction design keeps the machine operation nearly silent

Enhanced oscillation and balancing system eliminate abnormal vibrations during high-speed oscillation

Additional Specifications

Quantity	Part Included
1	CO ₂ Incubator Shaker
1	Tray with Adhesive Pad
2	Fuse
1	Power Cord
1	Product Manual, Test Report, etc.

Product Specifications

Product type	CO ₂ Incubator Shaker
Volume	315L
Tray size	520 x 880mm
Tray capacity of flask	60 x 250ml or 40 x 500ml or 24 x 1000ml or 15 x 2000ml or 15 x 3000ml or 8 x 5000ml
Illumination	Fl tube, 30W
Color	Freezer Color Swatch  Clean light beige with blue panel
Maximum load	50kg
Sterilization method	UV Sterilization
Number of settable programs	5
Number of stages per program	30
Data export interface	USB interface
Historical data storage	800,000 messages

Product Specifications

Working environment temperature 5℃ ~ 35℃

Push-pull blackout curtain Build-in

Electrical

Requirements

Power Supply 115V / 230V±10%, 50/60Hz

Heating power 750W

Cooling power

CO₂ Specifications 280W

CO₂ measurement principle Infrared (IR) detection

CO₂ control range 0-20%

CO₂ display resolution 0.10%

CO₂ supply 0.05 ~ 0.1 MPa is recommended

Controls

Control interface 7-inch LCD touch operation screen

Rotation speed 2~300 rpm

Speed control accuracy 1 rpm

Temperature control mode PID control system

Temperature control range 4℃~60℃

Temperature display resolution 0.1℃

Temperature fluctuation ±0.1℃

Temperature field uniformity ±0.3℃ (at 37℃)

General

Specifications

Internal height 340mm

Maximum expansion Up to 3 units can be stacked

Product Specifications

	L1330 x W830 x H610mm (one unit); L1330 x W830 x
Dimension (W x D x H)	H1170mm (two units); L1330 x W830 x H1725mm (three units)
Weight	220kg per unit
Shipping Dimensions	
W x H x D (mm)	1430 x 930 x 710
Shipping Weight (kg)	240

Caution: *This product is for research use only and is not intended for therapeutic or diagnostic applications.*

Please contact a technical service representative for more information (1-866-757-2414).