

# LARGE CAPACITY

## Stackable Incubator Shaker with CO2 Controller

(stack up to 3 units)

**Stackable,  
Space-Saving  
Design**



See our website for more information and complete specifications.

The CO2 Incubator Shaker features Temperature, Shaking, CO2 Concentration, and Humidity controls. Its stackable design helps maximize floor space, with the capability to stack up to three units high.

### High Resolution 7-inch Color Capacitive Touch Screen

- Clear, concise instrument status and functions
- Responsive and durable

### Large Capacity Chamber (190L Volume)

- Hold up to six, 5L Erlenmeyer shaker flasks

### Easy, Convenient Pull Out Rail Platform Operation

- Single, centrally-located locking handle

### Excellent Temperature Control Performance

- At a stable temperature of 37 °C, the uniformity is  $\pm 0.2$  °C

### Chamber Cooling Capacity to 20°C Below Ambient

- Lowest temp is 4 °C

### Energy-Saving Inverter Compressor

- Makes cooling a noiseless, durable, and highly efficient

### Three Units Can Be Stacked

- Purchased as a single, double or triple stack

### Bi-Directional UV Light Sterilization

- Two sets of components reach all areas of the chamber

### Ultra-Quiet Design

- Noise level less than 55dB when incubator is running and cooling (loudest process)

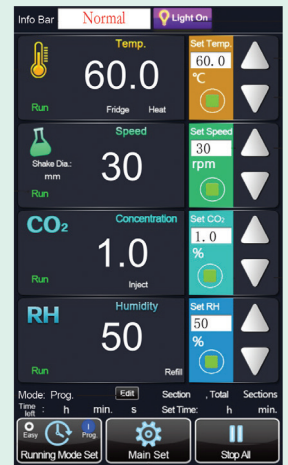
### Slow Acceleration / Deceleration

- Prevents large shear forces on the bacteria or cells

### High Pressure Water Rinse - Fast and Efficient

- Integral drain system for platform and chamber

### Large Capacity, Stackable Incubator Shakers with Magnetic Drives, CO2 Controllers and Touch Screens



Part No.	Description	Price
CLS-2545-011	Single	call
CLS-2545-012	Double	call
CLS-2545-013	Triple	call



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## Large Capacity Stackable Incubator Shaker Specifications - CLS-2545-series

<b>Platform Dimensions WxD</b>	900 x 550 mm (35.4 x 21.6 in)
<b>Max Capacity</b>	Clamp capacity: 25mLx134 / 50mLx134 / 100mLx60 / 150mLx60 / 200mLx60 / 250mLx60 / 500mLx32 / 1000mLx22 / 2000mLx15 / 3000mLx12 / 5000mL(Shaker Flask)x6
	Sticky Mat: 25mLx187 / 50mLx187 / 100mLx112 / 150mLx104 / 200mLx84 / 250mLx76 / 500mLx40 / 1000mLx28 / 2000mLx15 / 3000mLx12 / 5000mL(Shaker Flask)x6
<b>Max Load</b>	20 kg (44.1 lb)
<b>Temperature Range</b>	Room Temp. Minus 20°C~60°C (Lowest Temp is 4°C)
<b>Temperature Accuracy</b>	±0.1°C (@37°C)
<b>Temperature Uniformity</b>	± 0.2°C (@37°C)
<b>Temperature Stability</b>	± 0.2°C (@37°C)
<b>Temp Recover Time After Door is Opened for 30s</b>	≤6min (@37°C)
<b>Speed</b>	0(stop), 30~300 RPM
<b>Speed Accuracy</b>	±1 RPM
<b>Orbit Diameter</b>	25mm (1 inch)
<b>CO2 Sensor</b>	Infrared
<b>CO2 Control Range</b>	0~20%
<b>CO2 Control Accuracy</b>	±0.1%
<b>CO2 Recover Time After Door is Opened for 30s</b>	≤6min (@5%)
<b>Relative Humidity Type</b>	Active
<b>Max Humidity</b>	95%
<b>Programmable Segments</b>	12 Segments
<b>Timer</b>	0~999hr 59min
<b>Illumination</b>	LED Lamps on Left and Right Walls
<b>Disinfection</b>	UV Lamps on Left and Right Walls
<b>Door Opening Direction</b>	Down-Swing
<b>Internal Dimensions WxDxH</b>	985 x 775 x 307.5 mm (38.78 x 30.51 x 12.10 in)
<b>Outside Dimensions WxDxH</b>	1380 x 875 x 530(+80 with feet) mm (54.33 x 34.45 x 20.87(+3.15 with feet) in)
<b>Net Weight</b>	195 kg (430 lb)
<b>Display</b>	7" Color Capacitive Touch Screen
<b>Parameter Protection</b>	Password Protected
<b>Data Stored</b>	Time, Temperature, Speed, CO2 Concentration, Humidity, Instrument Status
<b>Data Storage Interval</b>	1 Minute
<b>Screen Data Display</b>	Displays Most Recent 7 Days of Data
<b>USB Data Export</b>	Most Recent 912 Days of Data
<b>Automatic Defrost</b>	Yes
<b>Noise Level</b>	≤55dB (When Compressor is Running)
<b>Auto-Recovery after Power Interruption</b>	Yes
<b>Power supply</b>	AC 110V±11V, 60Hz
<b>Power when Heating</b>	≤800W
<b>Power when Cooling</b>	≤300W
<b>Max Power</b>	≤1000W
<b>Mobile Monitoring and Control by WiFi</b>	Optional through Accessory and App
<b>Warranty</b>	2 Years Parts and Service