



## FLOOR STANDING SHAKING INCUBATOR BSCO-205

# FLOOR STANDING SHAKING INCUBATOR BSCO-205

## VERTICAL CONSTANT TEMPERATURE SHAKER

A constant temperature cultivation shaker, also known as an oscillator, is a commonly used laboratory equipment that belongs to biochemical instruments. It is widely used for bacterial cultivation, fermentation, hybridization, biochemical reactions, enzyme and tissue research that require high temperature and oscillation frequency. Commonly used liquid shaking, microbial, bacterial, and cell culture in laboratories.



It integrates a constant temperature incubator and an oscillator, saving space, occupying a small area, having multiple functions and requiring less investment. The shell is made of high-quality steel plate and the cavity is composed of mirror-finish stainless steel components, which will never rust.

The whole machine is designed to be silent, with an electrostatically sprayed plastic box body and a tempered glass large viewing window, presenting a luxurious and beautiful appearance.

The tilted and user-friendly control panel features a large-screen backlit LCD display, showing temperature, time, speed and operating status on the same interface.

Operating parameter memory function: In case of an unexpected power outage, it will automatically operate according to the originally set parameters upon power

## SPECIFICATIONS

Model	BSCO-205
Temperature control range	4°C~60°C
Temperature control accuracy	0.1°C
Temperature fluctuation	±0.5°C
Temperature uniformity	±1°C
Display mode	LCD liquid crystal display
Heating method	Stainless steel electric heating
Refrigeration method	Compressor refrigeration
Door opening method	Double doors
Studio volume	Volume ≥300L
Pallet size	710x455mm
Rotational speed range	0, 40-300rpm
Amplitude range	Φ26mm
Quantity of pallets	2 floors
Standard configuration	500mlx60 pieces
Other configurations	150ml/500ml/1000ml/2000ml
Lighting configuration	8W
Overall machine power	1500W
Power supply voltage	220V 50HZ
Safety device	Over-temperature alarm, short-circuit protection, overheat protection, sound and light alarm, load alarm
Optional	1. USB data transmission and processing system for data download and graphing.2. Fixtures can be selected from fixed flask clamps, universal spring clamps, test tube racks, and special-shaped bottle clamps.3. Ultraviolet sterilization function.
Alt Name	Vertical constant temperature shaker

## FEATURES

It integrates a constant temperature incubator and an oscillator, saving space, occupying a small area, having multiple functions and requiring less investment.

The shell is made of high-quality steel plate and the cavity is composed of mirror-finish stainless steel components, which will never rust.

The whole machine is designed to be silent, with an electrostatically sprayed plastic box body and a tempered glass large viewing window, presenting a luxurious and beautiful appearance.

The tilted and user-friendly control panel features a large-screen backlit LCD display, showing temperature, time, speed and operating status on the same interface.

Operating parameter memory function: In case of an unexpected power outage, it will automatically operate according to the originally set parameters upon power restoration.

The operation parameter encryption function is adopted to prevent human error.

High-precision speed control: PID feedback control ensures stable and accurate motor speed with an accuracy of  $\pm 1$ rpm.

High-precision temperature control: PID feedback control, with a measurement accuracy of  $0.1^{\circ}\text{C}$ . An audible and visual alarm is triggered when the measured temperature deviates from the set value by  $\pm 3^{\circ}\text{C}$ .

The three-dimensional integrated eccentric three-wheel drive operates smoothly, stably, durable and reliably.

Automatic protection device for motor overheating and temperature out of control.

The slow-start design prevents the liquid in the shake flask from splashing due to sudden start-up, effectively ensuring the safety of the samples.

The most advanced high-torque motor ensures continuous operation without maintenance.

Electronically controlled adjustable closed-loop heating and cooling system. The silent fan design, forced convection and unique air duct design ensure excellent constant temperature effect and temperature uniformity.

The refrigeration mode is automatic. It can automatically adjust the on and off of the refrigeration system according to the changes in ambient temperature without manual operation.

The intelligent refrigeration frost-free operation technology enables the equipment to run stably for a long time at low temperatures, with an automatic defrosting function.



**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)