

Bioshaker BR-3300 Series

TAITEC's largest capacity Bioshaker, remodeled with improved usability.

- Dimensions --> P.046 •OD-Monitor Turbidimeter while shaking --> P.042-043
- LED Light irradiation unit --> P.045



BR-3300
One-tier platform, Basic Model



BR-3300SW
Two-tier platform, With top board and door lock function

Features

- Significant power savings with the new "Eco-Drive" function
- Programmable functions for various cultivation plans
- Capacity: Erlenmeyer flask 500 mL × 32 pcs, 64 pcs for double platform

Details of optional parts and capacity --> P.036/039

Applications

- Cultivation of microbes such as E. coli, etc.
- Cultivation of Yeasts, Psychrophiles, and Insect cells
- Transportation testing of food and other products

The large double platform with maximum capacity is further doubled. Renewed and improved usability of conventional models.

This is TAITEC's largest capacity Bioshaker that has undergone continuous improvement. In addition to switching between Reciprocal/Orbital shaking, the shaking width can be finely adjusted for optimum shaking effects according to the type of microbes and vessel size. Variations include a double platform for mass cultivation, a top board made of the same material as the laboratory bench on which lightweight equipment and items can be placed, and a safety door lock to prevent accidental opening (see the right page).

Number of shaking platforms	One-tier			Two-tier		
	BR-3300	BR-3300B	BR-3300S	BR-3300W	BR-3300BW	BR-3300SW
Eco-Drive	●	●	●	●	●	●
Top board (laboratory bench top board)	×	●	●	×	●	●
Safety door locks	×	×	●	×	×	●
Door unlocking notification	×	×	●	×	×	●
Shaking motion/Shaking width/Door type	Switchable Reciprocal/Orbital shaking, 10 to 50 mm (stepless), Double swing door					
Temperature range (*1)	+4°C to +70°C		+4°C to +60°C	+4°C to +70°C		+4°C to +60°C
Temp. control accuracy (*2)	±0.3°C to ±1.0°C					
Speed range (*3)	25 to 250 r/min		30 to 250 r/min	25 to 160 r/min		30 to 160 r/min
Platform size/Capacity	800 × 600 mm (Max. inside height: 601 mm), Erlenmeyer flask 500 mL × 32, 5 L × 6			800 × 600 mm (Capable/Max. vessel size: Up to 1 L Erlenmeyer flask and 500 mL Shake flask), Erlenmeyer flask 500 mL × 64, 1 L × 36		
Maximum load	Approx. 17 kg (Platform not included)			Approx. 17 kg/per platform (Platform not included)		
Ambient temp. range (*1)	5°C to 35°C					
Heating/Cooling method	Heater 800 W/Compressor 125 W					
Program functions	Number of stored programs: 4 programs, number of steps: 9 steps (per program) Setting contents (*4): Temperature, shaking speed, and time (per step) with weight function (time setting range: 00 h 00 min to 99 h 59 min)					
Safety devices/functions	Leakage breaker 15 mA (15 A for overcurrent protection), High temperature safety device, High temperature cut circuit for compressor, Motor current limiter, Motor overload protection, Over-voltage protection, Fuse, Filter check function, Shaking stop function upon abnormal vibration detection, Self-diagnosis function for temperature sensor error, Nonvolatile memory error, Alarm of abnormal sample temp. (Set as desired), Detecting the door opening and closing, Breaking device when motor runaway					
Other functions (*5)	Eco-Drive function, Automatic lighting of the chamber light, Communication holes in the chamber (2 holes), Automatic drying of condensation water (*6)					
Dimensions (W × D × H)	1327 × 835 × 1234 mm	1327 × 835 × 1256 mm (with top board installed)		1327 × 835 × 1234 mm	1327 × 835 × 1256 mm (with top board installed)	
Weight	Approx. 307 kg	Approx. 326 kg	Approx. 328 kg	Approx. 327 kg	Approx. 346 kg	Approx. 348 kg
Power supply	AC100V/AC220V-240V/12A (built-in down transformer)					
Standard accessories	Universal shaking platform MT-8060A × 1 pc, Vibration absorbing pad × 4 pcs, Spacer × 4 pcs			Universal shaking platform MT-8060A × 2 pcs, Vibration absorbing pad × 4 pcs, Spacer × 4 pcs, Hexagonal bar spanner × 4 pcs		

(*1) If the product is to be used at a temperature setting of +10.0°C or lower, the ambient temperature should be +30°C or lower. The specifications of this product are the performance values based on the measurement method specified by our company. (*2) Temperature change immediately after the defrosting function is activated is not included. (*3) Shaking speed for both reciprocal/orbital. (*4) The weight function is a function that allows shaking to begin after the inside of the chamber reaches a set temperature. This product does not have a temperature gradient (tilt) function. (*5) Transmission output signal (analog signal) 1 to 5 V and alarm output signal (DCV) are also available by special order. (*6) Depending on usage conditions, automatic drying may not be able to keep up and manual drainage may be required.