



Large Incubator shaker VIB EZ B7



Microbial culture version

VIB EZ B7 Incubation Shaker

The VIB EZ B7 offers a clear concept that addresses the challenges of limited and costly laboratory space. It excels in providing flexibility, user-friendly operation, and operational safety while optimizing space utilization. Its modular design and downwards-opening door allow it to function as a standalone unit on or under the laboratory bench or as part of a stacked system.

Furthermore, the system can be easily expanded in the future to a two or three deck configuration, ensuring adaptability to changing needs.

With the VIB EZ B7, you can achieve various tasks requiring optimum shaking motion and incubation conditions for different applications:

- > Vigorous shaking for bacteria, yeast or fungi.
- > Gentle and smooth action for Insect cell culture.
- > Appropriate for uses in molecular biology such as protein expression.

Multiple temperature control methods.

BIOSTREAM offers three types of shakers to meet various laboratory environmental needs.

Without Cooling unit

- > Generally, the optimal temperature for mammalian cell culture is 37 °C . Since laboratory ambient temperatures typically do not exceed 30°C a shaker without cooling unit is sufficient to meet experimental requirements

With Peltier Cooling unit

- > Solid-state cooling with no moving parts such as compressors, offering quiet, vibration-free operation and high-precision temperature control
- > Compact in size for high product integration
- > Environmentally friendly, utilizing no chemical refrigerants

With Compressor Cooling unit

- > High cooling efficiency, capable of reaching lower experimental temperatures compared to Peltier cooling
- > Utilizes R290, an environmentally friendly refrigerant, making it a green and sustainable solution
- > Features stable performance and a long operational lifespan

The drop-down door

The drop-down door is cleverly designed to serve as a shelf for the pull-out tray, adding an extra practical element. There is no additional space required compared to a door that is split and opens from the side.



Communication

The shaker are equipped with RS232 and RS485 interface.

UV sterilization (Optional)

The UV unit is placed on the chamber ceiling and beside the circulation fan.
The UV light cannot reach sample and sterilization is operated during culturing.

LED illumination (Optional)

Primarily used for tissue cell culture, seed germination, seedling cultivation, and microbial culture, with adjustable light intensity in step increments (10% per step)



Specifications

Model		VIB EZ B7
Temperature	Range	RT+7°C- 60°C (without cooling unit, at RT25°C) RT-5°C - 60°C (with peltier cooling, at RT25°C) RT-15°C - 60°C (with compressor cooling, at RT25°C)
	Control accuracy	±0.2°C
	Uniformity	±0.5°C (at 37°C /RT25°C)
	Timer	1min~99h59min
	Program control	9-segment program control can be set
Shaking	Speed	20-400rpm
	Control accuracy	± 1% FS
	Shaking diameter	25 or 50 mm
Chamber Volume		264L
Platform (w x d)		850 x 470 mm
Max Capacity (with sticky tray)		50ml x131
		100ml x 91
		250ml x 48
		500ml x 31
		1000ml x 19
		2000ml x 13
		5000ml x 6
Dimensions (w x d x h)	1 deck	1075 x 850 x 550 (no base)
	2 decks	1075 x 850 x 1100(no base)
	3 decks	1075 x 850 x 1795(with 13cm base)
Weight per deck without cooling/with compressor cooling		180kg/210kg

Accessories

Sticky tray

Sticky Plate can be loaded with any kind of vessels with a smooth base. Even at a speed of up to 250 rpm the vessel sticks to the plate.



Adjustable bar tray

Order No.	Description
B0200008	Tray with 8 fixing bars
B0200009	1 additional fixing bar for B0200008



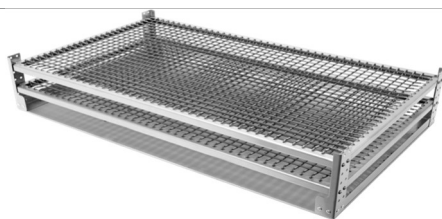
Order No.	Description
B0200002	Sticky tray, 850 x 470 mm
B6100113	Sticky stuff, 200 x 200mm

Universal tray

The Universal tray employ a drilled grid for individual loadings of test tube holders, microplate, and deep well plates.



Order No.	Description
B0200001	Universal tray, 850 x 470 mm



Multi-Purpose tray

Order No.	Description
B0200010	The multi-purpose tray is made of stainless steel and can be used for a diverse range of unusual specifications.

Stainless steel erlenmeyer flask clamp

For fixing of shaken items, there is an extensive range of retaining clamp:

Standard stainless steel clamps for flasks of 50 to 5000ml



Order No.	Description	Order No.	Description
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B6103550	50ml	B6103555	2000ml
B6103551	100ml	B6103560	3000ml
B6103552	250ml	B6103558	4000ml
B6103553	500ml	B6103561	5000ml
B6103554	1000ml		

Stainless steel clamps for fernbach flask

Order No.	Description	Order No.	Description
B6103547	1.8L	B6103557	2.8L

Test tube rack

A range of tube racks are available for various diameters and lengths.

For the best axial mixing at the optimum angle, the support rack can be tilted. By loosening both fixing screws, the rack can be simply detached from the holding frame connected to the shaker.

Test tube rack for long type

Order No.	Description	Order No.	Description
B6101342	144 x Ø8mm	B6101352	64 x Ø14mm
B6101343	100 x Ø10mm	B6101354	36 x Ø16mm
B6101347	72 x Ø12mm		

Rack for plastic test tube

Order No.	Description
B6101362	16x Ø30mm (50 mL centrifuge tubes)