

Peltier BenchTop Shaking Incubator

LCD Touchscreen | BLDC Motor

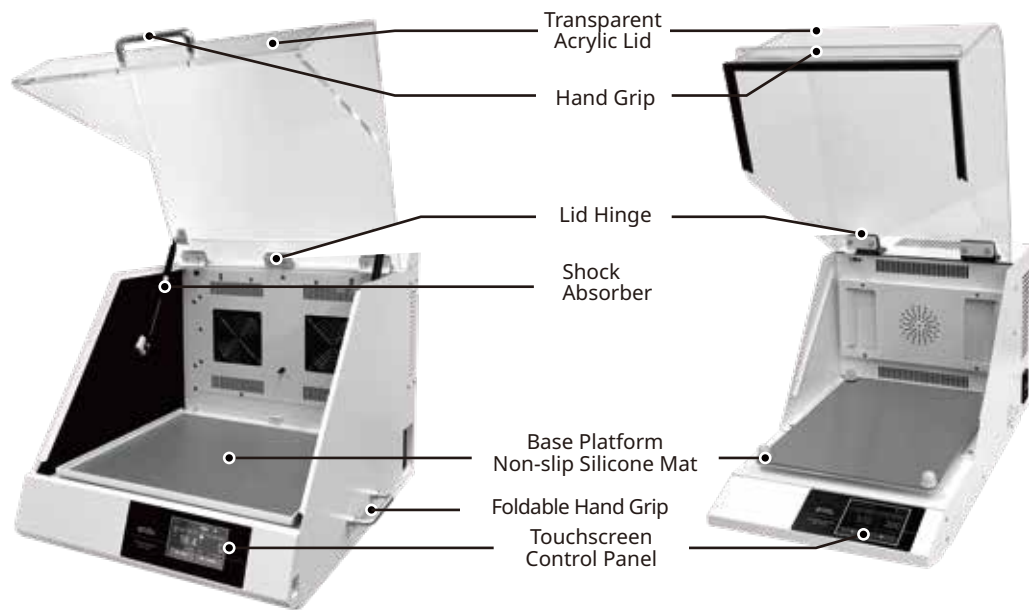


GNB-T205P
Peltier Mini Benchtop
Shaking Incubator

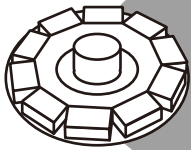


GNB-T205LP
Peltier Large Benchtop
Shaking Incubator

Configuration



Features



Brushless Magnetic Induction Drive

Beltless Magnetic Induction Drive Minimizes vibration, noise, heat generation. It makes stable, gentle shaking. Magnetic drive eliminates the need of belt replacement.



CO₂ & Humidity Resistant

Allows shaker to be used in specific conditions such as high humidity or high CO₂ density environment.



Strong and Stable Orbital Movement

Orbital movement is stable up to 300rpm with 22mm orbit size.



LCD Touchscreen

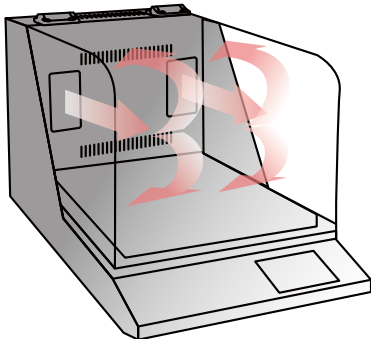
With the intuitive touch panel, the unit's operating status can be easily checked, and settings can be conveniently changed even while wearing laboratory gloves.



Transparent Acrylic Lid

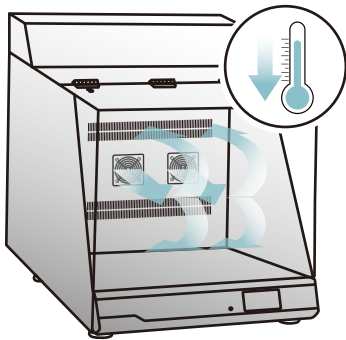
The transparent lid allows users to visualize inside the chamber and constantly monitor the cell incubation.

Excellence in Temperature



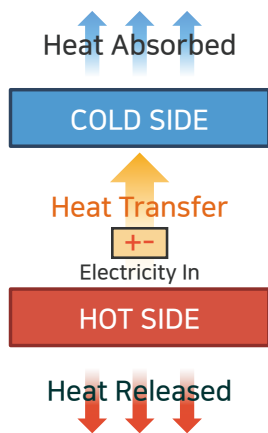
Smart Air Circulation

Airflow is optimized with a Side-Top-Bottom circulation design tailored to the system structure, maintaining stable temperature within the chamber while minimizing temperature variation to ensure consistent experimental conditions. Additionally, it suppresses the dehydration of cellular media, maintaining stable culture conditions during extended incubation.



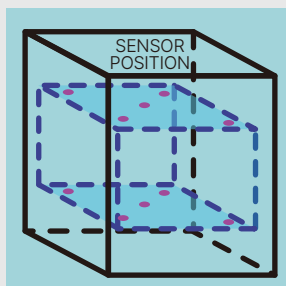
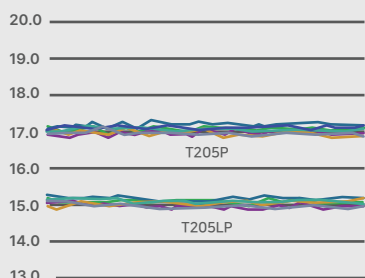
Low Temperature Regulation

The Peltier Benchtop Shaking Incubator is ideal for cell cultivation at sub-ambient temperatures. An advanced **Peltier cooling system** cools the circulating air and distributes it evenly throughout the chamber. It can reach up to 10°C below ambient temperature (operating within 18~30°C ambient), maintaining strict temperature uniformity.



Peltier System

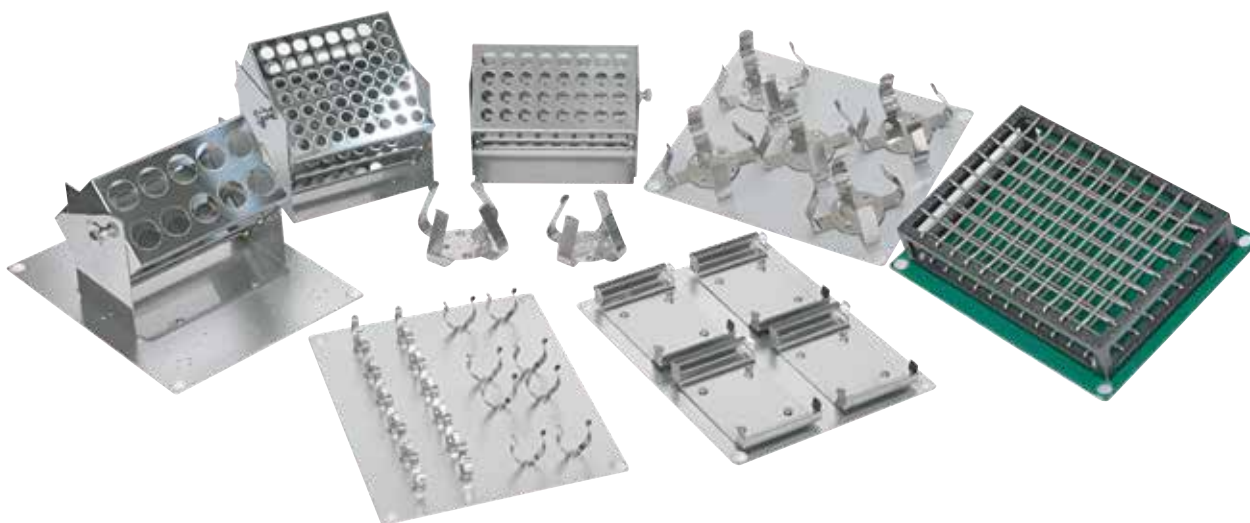
Peltier system is a **thermoelectric module**-based temperature control method that enables both cooling and heating through the control of current direction. Operating without a compressor or refrigerant, it reduces vibration and noise, offering an eco-friendly solution with precise and stable temperature control.



Temperature Uniformity: $\pm 1.0^{\circ}\text{C}$

Temperature uniformity tested on 10 points:
5 points attached to the lid + 5 points on the shaker plate.
Temperature uniformity range :
- GNB-T205P: $17^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ (-8°C from ambient temp.)
- GNB-T205LP: $15^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ (-10°C from ambient temp.)
*Tested at 25°C ambient temperature

Accessories



Accessories for GNB-T205P		Accessories for GNB-T205LP	
205-H10	100ml Flask Holder x 12ea with Platform	205L-H10	100ml Flask Holder x 36ea with Platform
205-H25	250ml Flask Holder x 8ea with Platform	205L-H25	250ml Flask Holder x 23ea with Platform
205-H50	500ml Flask Holder x 5ea with Platform	205L-H50	500ml Flask Holder x 16ea with Platform
205-SR	Spring Rack with Platform	205L-H100	1000ml Flask Holder x 9ea with Platform
205-MP	Microplate Rack<4ea> with Platform	205L-H200	2000ml Flask Holder x 5ea
205-TR14	Tube Rack <14mm> : 10ml tube x 56holes	205L-SR	Spring Rack with Platform
205-TR16	Tube Rack <16mm> : 15ml tube x 32holes	TUBE RACK	All tube racks of GNB-T205P are available in GNB-T205LP. Maximum two tube racks are installable.
205-TR19	Tube Rack <19mm> : 15ml tube x 32holes		
205-TR50	Tube Rack <30mm> : 50ml tube x 10holes		

Specification

MODEL		GNB-T205P	GNB-T205LP
Temperature	Control Range	Ambient -8°C to 50°C	Ambient -10°C to 50°C
	Accuracy	±1.0°C	
	Increment	0.1°C	0.1°C
Speed	Range	30 to 300 rpm	30 to 300 rpm
	Accuracy	±1 rpm	±1 rpm
	Increment	1 rpm	1 rpm
Timer		Continuous or 99h 59min 59s	
Orbital Diameter		22mm	
Dimensions	Platform	240(W)x300(D)mm	450(W)x450(D)mm
	Exterior	285(W)x520(D)x280(H)mm	510(W)x705(D)x525(H)mm
Weight		Approx. 14kg	Approx. 60kg
Power		AC110/220V, 50/60Hz	
Power Consumption		180W	680W