

Refrigerated Incubator Shaker

TOPLAB INDIA'S Refrigerated Incubator shaker is one temperature controlled biochemical instrument combined incubation and shaking function. It is widely used in cell culture, fermentation, hybridization, biochemistry, research of enzyme and cell tissue, etc. which required higher quality of temperature controlling and shaking speed. It can dynamically and statically cultivate microbial cell and all kinds of strains.



Description:

- Integrate refrigerated Incubator and Shaker. Save laboratory space.
- Rational and compact designed, good temperature uniformity, low noisy.
- PID based Digital Micro-processor controls temperature and shaking speed. Built in Timing function.
- Design of Human-machine interface and operation panel. Cover can be wide-angle opened, convenient to watch and fetch the sample.
- Built-in cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.
- Unique speed control circuit to ensure shaker smooth starting and avoid liquid spilling.
- Speed of the circulation fan is adjustable to avoid high-speed of the circulation fan making the sample volatilizing.
- Environment-friendly CFC-free refrigerant.
- Independent temperature alarm system. Heating is cut off when temperature over the limited value. Alarm when program completes.
- Brushless DC motor, long life and maintenance free.

Technical Specification:

Model	TOP-300-RIS
Speed Range [rpm]	00 ~ 300 rpm
Orbit [mm]	20mm (Circle)
Temp. Control Range	5°C ~ 60°C
Temp. Setting Range	5°C ~ 60°C
Timer range [min]	1 min ~ 99h59min or continuous
Temp. Stability@37°C	≤±0.3°C
Temp. Set Accuracy	±0.1°C
Speed/Timer display	LED Digital Display
Controller	PID Based micro-processor controller
Interior Material	Stainless Steel (SS304) / (SS316 optional)
Fuse	250V, 3A/5A, Φ5x20
Voltage	AC 220V, 50/60Hz
Power	600W
Dimension (WxDxH)	385 x 560 x 320mm
Net Weight	18.7kgs

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Optional accessories:



P6-250 Platform



UP-12 Universal platform



PP12-100 Platform



PP-4 Flat platform



PP-4A Double Flat platform



PW-260 Universal platform

- **PP6-250** - Platform with 06 clamps for flasks 250-300ml
- **PP12-100** - Platform with 12 clamps for flasks 100-150ml
- **UP-12** - Universal platform with adjustable bars, accommodates 1000ml flask*2, 500ml flasks*4 or 250ml flask*4
- **PP-4** - Flat platform with non-slip rubber mat
- **PP-4A** - Double deck flat platform with non-slip rubber mat
- **PW-260** - Universal platform with springs
- **SPD-GS** - Sticky pad (not platform. can be put in the platform PP-4 or PP-4A)

Deep well plates made of stainless steel for beakers of different volumes.

Beaker Volume: 50mL, 100mL, 250mL, 300mL etc.

