

# COOLED SHAKING INCUBATOR SHA11-300



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Highly efficient insulation guarantees homogeneous temperature dispersion as well as reproducible cultivation results and combines uniform, reliable performance with low energy consumption. Suitable for cell culturing, solubility studies, sample preparation, water analysis, BOD measurement, plating and breeding experiments in research institutions, universities and colleges.

Used in Cell Culturing, Cell Aeration, Solubility Studies, Sample Preparation, Water Analysis, BOD Measurement, Plating, Breeding Experiments, Research Institutions, Universities, Colleges.

Also known as Cooled Shaking Incubator, Shaker Incubator, Laboratory Cooled Shaking Incubator.

## SHA11-300 COOLED SHAKING INCUBATOR

Advanced fuzzy logic PID controlling system provides precise rotation speed, temperature control and operating time Advanced numerically controlled processing technique ensures reliable and stable mechanical structure

Base structure adopts stable vermicular casting technique

Standard mode configures fixed temperature, rotation speed and time

Program mode configures temperature, rotation speed and time as required by the user

Sound air duct structure ensures homogeneity and precision of temperature

Membrane touch keys with large scale

LCD display Operation panel designed for the convenience of users to configure operating and test parameters

Scientific off-centre weight balancing technique ensures long service time for three-axis off-centre actuating machine

Three-axis off-centre actuating structure ensures stable start and stop of the samples

Adopts abrasion resistance in axletrees

Built-in cooling system provides optimum environment for cultivation of microbes, cells and special tissues in low temperatures

Avoids dithering while operating and prevents damage of sensitive cells

Brushless actuating system with unidirectional flow Less error during mechanical processing ensures long service time, stable and non-vibrating machine

Cooling system uses environmental R134a cryogen mechanical over temperature protection device

Top and bottom temperature limit alarm RS232 interface



## SPECIFICATIONS

Model	SHA11-300
Speed Range	25-300 rpm
Temperature	4-60°C
Temperature Accuracy	±0.1°C
Temperature Uniformity	±1°C
Temperature Fluctuation	±1°C
Temperature Resolution	±0.1°C
Permissible Ambient Temperature	20°C
Shaking Speed Accuracy	±1 rpm
Speed Increment	1 rpm
Motion	Reciprocal

Inner Dimension	460x460 mm
Overall Dimension	620x840x630 mm
Weight	100/110 kg
Power	800 W
Power Supply	220 V, 60 Hz

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