

Drosophila Incubator FM-DI-A100



Description :

Drosophila Incubator FM-DI-A100 is a floor type incubator with 3 side LED illumination system. Designed with heavy-duty 3 pcs shelves and 250 L internal chamber capacity which operates within 16 to 29°C temperature range preferred by fruit flies. Lighting illumination of 0 to 12000 lx provides ideal environment for culturing and rearing of Drosophila species. These are low temperature incubators equipped with RS485 output and an independent over-temperature thermostat and over-temperature alarm designed for research scale.

Specifications :

Capacity	250 L
Illumination type	3-side illumination
Illumination source	Fluorescent lamp
Lighting illumination	0 to 12000 lx
Lighting Illumination Control	6 degree relative illumination control
Temperature range	With illumination: 10 to 50°C, Without illumination: 4 to 50°C
Temperature resolution	0.1°C
Temperature accuracy	± 1°C
Temperature uniformity	± 1°C
Humidity range	50 to 90 % RH
Humidity fluctuation	± 5 to 7 % RH

Continuous working time	≥ 180 h
Ambient temperature	5 to 35 °C
Number of shelves	3 pcs
Standard interface	RS485 for PC series
Internal construction	Painted stainless steel
Maximum power consumption	890 W
Power supply	AC 220 V ± 10 %, 50 Hz
Internal dimension (W×D×H)	555 × 450 × 1100 mm
External dimension (W×D×H)	680 × 680 × 1760 mm
Packaging dimension (W×D×H)	810 × 820 × 1890 mm
Gross weight	150 kg

Features :

- 3 side illumination type using fluorescent as light source of 0 to 12000 lx intensity
- Internal chamber capacity of 250 L
- Designed specifically for Drosophila research
- Operates within temperature range preferred by fruit flies typically 5 to 35 °C
- Program temperature and light cycles reproduces diurnal cycles that foster breeding
- Mechanical convection provides temperature uniformity and effective space utilization
- Units are easy to clean and corrosion resistant painted stainless steel interiors
- Floor designed compressor with non-vibrational body
- Breeze circulation ensures uniform air distribution throughout chamber
- Standard RS485 interface and independent over-temperature thermostat with alarm

Applications:

Drosophila Incubators are designed specifically for rearing flies and other insects which are used in genetic studies, offering exceptional temperature, humidity and lighting control for active experimentation or housing stocks.

Accessories:

Accessories no	Accessories name
1.	RS485 interface for PC series



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