

labodam

DRY BATH INCUBATOR

LD-LDBI-B12



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Dry bath incubator LD-LDBI-B12 is a microprocessor-controlled incubator unit with a temperature range of 5°C to 120°C. Features an aluminum heating block for rapid heating of samples adding to its usage as a mini water bath. Temperature sensor allows direct temperature control in the sample vessel. Control knob aids in regulation of speed and temperature with maintenance of temperature uniformity at 0.2°C and 0.5°C. Integrated with a safety circuit for end user protection.

Features

- Four block model
- LED display for visualizing time and temperature
- Control knob - for regulating speed and temperature
- Displays temperature and time
- Displays error code for irregularity in temperature
- Multiple interchangeable blocks for processing different sample concentrates
- External temperature sensor for automatic calibration
- Fixed safety circuit (user safety)

Applications

Used for In-Vitro diagnostic of specimens such as enzyme reaction, incubation and activation processes, coagulation studies, restriction digest and polymerase chain reaction, Hot Start thermocycler reactions.

Specifications

Model No.	LD-LDBI-B12
Block capacity	4 Blocks
Heat output	430 W
Heating temperature range	5 °C – 120 °C
Heating rate	4 K/min
Temperature stability within the blocks at < 60°C	± 0.5 °C

Temperature stability within the blocks > 60°C	± 1 °C
Temperature Uniformity < 60°C	0.5 K
Temperature Uniformity >60°C	1 K
Permissible ambient temperature	5 °C – 40 °C
Fixed safety circuit temperature	180 °C
Permissible relative humidity	0.8
Time range	1 min - 99 hrs. 59 mins
Set-up plate dimensions	96 mm x 304 mm
Adjustment and display resolution	0.1 K
Protection class	IP 21
Set-up plate material	Aluminum alloy
Voltage	220 V - 240 V / 115 V
Frequency	50 Hz / 60 Hz
Power input	165 W
Dimensions (W x H x D)	152 x 86 x 465 mm
Weight	7.5 kg

Accessories

Accessory No.	Block Capacity
Block 01	Single Block, Eppendorf tubes, 20 x 1.5 ml, Φ11.5 mm x 36.9 mm
Block 02	Single Block, PCR tube, 30 x 0.5 ml, Φ7.9 mm x 27.6 mm
Block 03	Single Block, Microtubes, 20 x 1.5 ml, Φ11.1 mm x 39.1 mm
Block 04	Single Block, Conical tubes, 20 x 2.0 ml, Φ11.5 mm x 38.1 mm
Block 05	Single Block, Corning tubes, 20 x 2.0 ml, Φ10.9 mm x 38.1 mm

Block 06	Single Block, Conical tubes, 12 x 15 ml, Φ 17.1 mm x 44.5 mm
Block 07	Single Block, Conical tubes, 6 x 50 ml, Φ 29.0 mm x 47.6 mm
Block 08	Single Block, centrifuge tube combination, 4/3/2 x 1.5/15/50 ml
Block 09	Single Block, microtube combination, 6/10/5 x 0.5/1.5/2 ml
Block 10	Single Block, Round tubes, 30 x 6 mm, Φ 8.3 mm x 48.4 mm
Block 11	Single Block, Round tubes, 24 x 10 mm, Φ 10.7 mm x 48.4 mm
Block 12	Single Block, Round tubes, 16 x 12/13 mm, Φ 13.9 mm x 48.4 mm
Block 13	Single Block, Round tubes, 20 x 12/13 mm, Φ 13.9 mm x 48.4 mm
Block 14	Single Block, Round tubes, 12 x 15/16 mm, Φ 17.5 mm x 48.4 mm
Block 15	Single Block, Round tubes, 8 x 20 mm, Φ 21 mm x 48.4 mm
Block 16	Single Block, Round tubes, 6 x 25 mm, Φ 26.2 mm x 48.4 mm
Block 17	Single Block, Round tubes, 4 x 35 mm, Φ 35 mm x 47.6 mm
Block 18	Single Block, Round tubes, 12 x 17/18 mm, Φ 19.1 mm x 48.4 mm
Block 19	Single Block, vials, 20 x 12 mm, Φ 12.7 mm x 30 mm
Block 20	Single Block, vials, 20 x 15 mm, Φ 15.8 mm x 35 mm
Block 21	Single Block, vials, 12 x 17 mm, Φ 17.8 mm x 45 mm
Block 22	Single Block, vials, 12 x 19 mm, Φ 19.7 mm x 45 mm
Block 23	Single Block, vials, 9 x 21 mm, Φ 21.7 mm x 45 mm
Block 24	Single Block, vials, 8 x 23 mm, Φ 23.8 mm x 45 mm
Block 25	Single Block, vials, 8 x 25 mm, Φ 25.8 mm x 45 mm
Block 26	Single Block, vials, 6 x 28 mm, Φ 28.8 mm x 45 mm
Block 27	Single Block, vials, 15 x 16 mm, Φ 16.4 mm x 45 mm
Block 28	Single Block, 10 x 8 PCR tube strips, 0.2 ml tubes
Block 29	Single Block, 64 PCR tube strips, 0.2 ml tubes
Block 30	Single Block, 2 x 6 cuvettes, 12.5 mm

Block 31	Single Block, Round tubes, 20 x 2.0 ml, Φ 11.5 mm x 38.1 mm
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