

LAB1ST



Thermal Control

Digital Dry Bath

The microprocessor controlled Digital Dry Baths offer control over both temperature and time, eliminating the need for an external thermometer or timer.

Used to thaw, boil, incubate and warm samples for different applications in molecular biology, assay preparation, tissue/cell culture, biochemistry, genetics, histology, clinical, environmental and industrial laboratories.

Dry Bath Series

Block Heater T105/Block Heater T150/Block Heater T120 Basic/Block Heater T120/ Block Heater T60/Block Heater T100

Small footprint. Rapid & accurate temperature control. Overheating protection.
Accommodates various types of tube holders to meet every lab need.



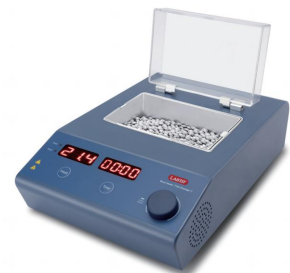
Block Heater T105



Block Heater T105
(Package 1)



Block Heater T150



Block Heater T150
(Package 1)



Block Heater T120 Basic/
Block Heater T120



Block Heater T60



ThermoStat T100+ Mini



Block Heater T100

Features

- Accurate and uniform temperature control
- Digital control and display of time and temperature
- Wide range of temperature control for different applications
- Monitor temperature in real-time, and set timer
- Wide range of heating blocks compatible with most popular lab tubes
- Overheating protection ensures sample and user safety
- Equipped with a lid for heat preservation, and preventing pollution
- User-friendly setting knob for easy and simple operation



Block Heater T105
Block Heater T105 (Package 1)
Block Heater T150
Block Heater T150 (Package 1)

Durable, reliable safe and convenient to use

Features

- Single and double heat block modules available
- Highest temperature up to 150°C
- Buzzer alert when the time is up
- External temperature sensor PT1000



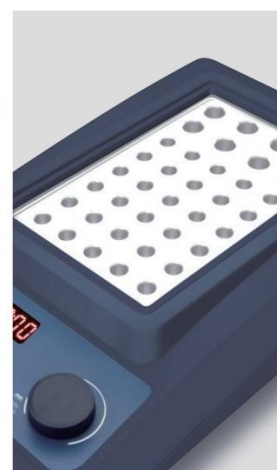
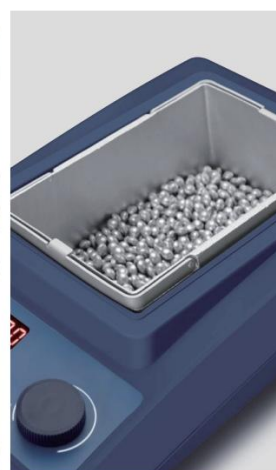
Block Heater T120 Basic/
Block Heater T120/
Block Heater T60

Easy to use, safe and durable

Features

- Low profile - space saving design
- Timer function support available
- Discrete heating temperature levels: 25°C, 30°C, 37°C, 45°C, 60°C (Block Heater T60)
- 5mL×30+10 mL×8 dual purpose heating block
- Temperature calibration function inbuilt for users (Block Heater T120)

| Specifications | Block Heater T100 | Block Heater T105 Block Heater T105 (Package 1) | Block Heater T150 Block Heater T150 (Package 1) | Block Heater T120 Basic | Block Heater T60 |
|----------------------------------|-------------------|--|---|-------------------------|--------------------------|
| Temperature range[°C] | Room temp+5-100 | Room temp+5-105 | Room temp+5-150 | Room temp+5-120 | Room temp+5-60 |
| Temperature Setting range [°C] | 15-100 | 25-105 | 25-150 | 25-120 | 5 gears:25, 30, 37,45,60 |
| Temperature control accuracy[°C] | ±0.5 | 25-90: ±0.3 90-105: ±0.6 | 25-90: ±0.3 90-150: ±0.6 | ±0.5 | ±0.5 |
| Temperature uniformity@ 37°C[°C] | ±0.5 | ±0.2 | ±0.2 | ±0.5 | ±0.3 |
| Power [W] | 200 | Block Heater 105:100 Block Heater T105 (Package 1):200 | Block Heater T150:100 Block Heater T150 (Package 1):200 | 160 | 160 |
| Time setting range | 0min~99h30min | 0min~99h59min | 0min~99h59min | 0min~99h30min | 0min~99h30min |
| External sensor | - | Yes | Yes | - | - |
| Display | TFT | LED | LED | LED | LED |
| Voltage,Frequency | 110/220V,50/60HZ | 110/220V,50/60HZ | 110/220V,50/60HZ | 110/220V,50/60HZ | 110/220V,50/60HZ |
| External Dimension[WxDxH] | 200x235X120 | 290x210X120 | 290x210X120 | 175X290X85 | 175X290X85 |
| Weight (kg) | 7.3 | 3.2 | 3.2 | 3 | 2.5 |
| Operating temperature[°C] | 10-40 | 10-40 | 10-40 | 10-40 | 10-40 |
| Operating humidity[% RH] | <80 | <80 | <80 | <80 | <80 |



Blocks

Block Heater T100/ThermoStat T110/ThermoShaker T100/ThermoShaker T100 Basic

| Cat.No | 922801 | 922802 | 922803 | 922804 | 922805 | 922806 | 922807 | 922808 | 922809 |
|-------------|-----------|-----------|---------|---------------------|--------------------|---------|---------|---|------------------|
| Block types | | | | | | | | | |
| Capacity | 0.5 mL×24 | 1.5 mL×24 | 2 mL×24 | 5 mL×8 round bottom | 5 mL×8 cone bottom | 15 mL×8 | 50 mL×4 | 0.2 mL×8 PCR strips or 0.2 mL×96 PCR microplate | ELISA microplate |
| Speed | 1500rpm | 1500rpm | 1500rpm | 1500rpm | 1400rpm | 800rpm | 600rpm | 1500rpm | 1500rpm |

Block Heater T120 Basic/Block Heater T120

| Cat.No | Standard | 922401 | 922402 | 922403 | 922404 | 922406 | 922407 | 922409 | 922408 | 922405 | — |
|-------------|----------|-----------|-----------|-----------|---------|------------|---------|----------------------------------|------------|-------------------------------|---|
| | Thin | 922410 | 922411 | 922412 | 922413 | — | — | 922414 | 922415 | — | 922416 |
| Block types | | | | | | | | | | | |
| Capacity | | 0.2 mL×54 | 0.5 mL×40 | 1.5 mL×40 | 2 mL×40 | 5/15 mL×28 | 50 mL×8 | 0.2 mL+0.5 mL +1.5/2 mL 18+18+18 | microplate | 5 mL blood collection tubex45 | 0.2 mL×8 PCR strips or 0.2 mL×96 PCR microplate |

| Capacity | Cat. No.922417 |
|--|----------------|
| Two-in-one block, bead bath/water bath Adapt to S2 | |

| Capacity | Cat. No.922418 |
|----------------|----------------|
| Aluminum beads | |

Block Heater T105 /Block Heater T105(Package 1) /Block Heater T150 /Block Heater T150(Package 1)

| Cat.No | 922601 | 922604 | 922602 | 922603 | 922605 | 922606 | 922607 | 922608 | 922417 | 922418 |
|-------------|-----------|-----------|-----------|---------|---------|----------|---------|---|---|----------------|
| Block types | | | | | | | | | | |
| Capacity | 0.2 mL×30 | 0.5 mL×20 | 1.5 mL×20 | 2 mL×20 | 5 mL×12 | 15 mL×12 | 50 mL×4 | Dual purpose block,bead bath/water bath Adapt to S1 | Dual purpose block,bead bath/water bath Adapt to S2 | Aluminum beads |

ThermoStat T100+ Mini/ThermoStat T100 Mini/Block Heater T100 Mini

| Cat.No | 923001 | 923002 | 923003 | 923004 | 923005 | 923006 | 923007 |
|-----------------|-----------|------------|-----------|---------|---------|-----------|---------|
| Block types | | | | | | | |
| Capacity | 0.2 mL×40 | 0.5 mL×24 | 1.5 mL×15 | 2 mL×15 | 5 mL×6 | 15 mL×4 | 50 mL×2 |
| Diameter ×depth | 6.4×20 mm | 8.2×28.4mm | 11.2×31mm | 11×31mm | 17×31mm | 16.4×45mm | 29×45mm |

Dry bath provides precise temperature for various experiments. ThermoShaker also has mixing function, and widely used in various fields such as molecular biology and cell biology, including gene synthesis, gene purification, gene cloning, gene expression, protein expression analysis, enzyme reaction, bacterial growth and so on.

List of models:

| Model | Image | Function | Temp. Setting Range | Mixing speed | Blocks |
|---|---|-----------------------------------|------------------------------|--------------|--|
| Block Heater T60 |  | Heating | 25°C,30°C, 37°C,45°C,60°C | - | 5mL×30+10 mL×8 |
| Block Heater T120 Basic/ Block Heater T120 |  | Heating | 25°C-120°C | - | 0.2mL×54 0.5mL×40 1.5/2mL×40 5/15mL×28 5mL blood collection tube×45 50mL×8 (0.2mL+0.5mL+1.5/2mL) ×18 0.2mL×96 PCR Microplate ELISA Microplate Bead/Water bath |
| Block Heater T105/ Block Heater T105 (Package 1) |  | Heating | 25°C-105°C | - | 0.2mL×30 0.5mL×20 1.5mL×20 2mL×20 5mL×12 15mL×12 50mL×4 Bead/Water bath |
| Block Heater T150/ Block Heater T150 (Package 1) |  | Heating | 25°C-150°C | - | |
| Block Heater T100 |  | Heating | 25°C-100°C | - | |
| ThermoStat T110 |  | Heating&Cooling | -5°C-110°C | - | 0.5mL×24 1.5mL×24 2mL×24 5mL×8(Round/Cone Bottom) 15mL×8 50mL×4 |
| ThermoShaker T100 |  | Heating& Cooling&Mixing | 0°C-100°C | 200-1500rpm | 0.2mL×96 PCR Microplate ELISA Microplate |
| ThermoShaker T100 Basic |  | Heating&mixing | 15°C-100°C | 200-1500rpm | |
| Block Heater T100 Mini |  | Heating | 25°C-100°C | - | 0.2mL×40 0.5mL×24 1.5mL×15 2mL×15 5mL×6 15mL×4 50mL×2 |
| ThermoStat T100 Mini |  | Heating&Cooling | 0°C-100°C | - | |
| ThermoStat T100+ Mini |  | Heating&Cooling (with hot lid) | 0°C-100°C | - | |