

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.

ThermoShaker

ThermoShaker T100/ThermoShaker T100 Basic

ThermoShaker series integrates precise and efficient heating & cooling and mixing function

ThermoShaker T100-Heating/Cooling/Mixing

ThermoShaker T100 combines the excellent mixing and accurate temperature control, to make your work efficiently and productively



Features

- Fully programmable
- Precise temperature control for heating and cooling
- Real-time display of speed, temperature and time
- Excellent mixing (200-1500rpm)
- Quick interchange of blocks without tools and automatic block recognition
- Compatible with most popular tubes
- Block equipped with a lid for heat preservation
- Temperature self-calibration

Applications

Precise and efficient heating/cooling and mixing is applicable for many applications such as Gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, and others.

ThermoStat T110

heating and cooling with digital display



Features

- Compact, programmable and overheating protection for safe sample handling
- Precise temperature control for heating and cooling -5°C to 110°C for all major lab applications
- Interchangeable sample blocks available
- Most common application includes reagent warming/cooling, DNA extractions, enzymatic reactions and reactions that need to be processed at or near room temperature.

As low as -5°C

Precise temperature control for heating and cooling between -5°C-110°C.

Specifications	ThermoShaker T100	ThermoShaker T100 Basic	ThermoStat T110
Functions	Heating,cooling&mixing	Heating&mixing	Heating&cooling
Temperature range [°C]	Below room temp 15- 100	Room temp-100	Below room temp 25- 110
Temperature Setting range [°C]	0-100	15-100	-5-110
Temperature control accuracy@20-45 [°C]	±0.5	±0.5	±0.5
Temperature uniformity@20-45 [°C]	±0.5	±0.5	±0.5
Power [W]	200	200	200
Time setting range	0min~99h30min	0min~99h30min	0min~99h30min
Max Heating speed	5.5°C/min	5.5°C/min	5.5°C/min
Max Cooling speed	5°C/min (100°C-room temp) 0.5°C/min (below room temp)	-	2.5°C/min (100°C-room temp) 0.5°C/min (below room temp)
Mixing speed [rpm]	200-1500	200-1500	-
Mixing orbit [mm]	3	3	-
Display	TFT	TFT	TFT
Program	9	9	9
Overheating protection [°C]	150	150	150
Voltage,Frequency	110/220V, 50/60HZ	110/220V, 50/60HZ	110/220V, 50/60HZ
Dimension [mm]	200x235X120	200x235X120	200x235X120
Weight [kg]	7.3	7.3	7.3
Operating temperature [°C]	10-40	10-40	10-40
Operating humidity [% RH]	<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	-	