

E-DB100S-PC

Heating, Cooling, Shaking
Thermal Mixer

Applications

The Eins-Sci E-DB100S-PC allows for precise and efficient heating, cooling and mixing as well as excellent temperature accuracy and uniformity. Suitable for a wide range of applications, such as, gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, etc.



Features

- Fully programmable
- Save up to 9 user defined programs
- Precise temperature control for heating and cooling
- Intuitive real-time display of speed, temperature and time
- Excellent mixing (200-1500rpm)
- Magnetic quick interchangeable blocks without any tools
- Automatic block recognition
- Compatible with most popular tubes, numerous blocks available
- Smaller blocks equipped with a lid for heat preservation
- 3 point temperature calibration function

Specifications	E-DB100S-PC
Functions	Heating, cooling & mixing
Temperature range	Ambient - 15°C to 100°C
Temperature setting range	0-100°C
Temperature control accuracy @ 20-45°C	±0.5°C
Temperature uniformity @ 20-45°C	±0.5°C
Power	200W
Time setting range	0min-99h30min
Max Heating speed	5.5°C/min
Max Cooling speed	5°C/min (100°C-room temp) 0.5°C/min (below room temp)
Mixing speed	200-1500rpm
Mixing orbit	3mm
Display	TFT
Heating block material	Aluminium with plastic cover
Program	9
Overheating protection	150°C
Voltage, Frequency	110/220V, 50/60HZ
Dimension	200 x 235 X 120mm
Weight	7.3kg
Permissible ambient conditions	10-40°C, 80%RH

Accessories

Block Code	E-HBCS-0.5	E-HBCS-1.5	E-HBCS-2	E-HBCS-5	E-HBCS-5C	E-HBCS-15	E-HBCS-50	E-HBCS-WP	E-HBCS-WP-PCR
Block Type									
Capacity	24 x 0.5ml	24 x 1.5ml conical	24 x 2ml round	8 x 5ml round	8 x 5ml conical	8 x 15ml	4 x 50ml	ELISA microplate	0.2mlx8PCR strips 0.2mlx96PCR plate
ø x depth	8.1x26mm	10.9x30.8mm	10.9x30.8mm	13.6x42mm	17.5x51.5mm	16.9x80mm	29.6x80mm	-	-
Speed	1500rpm	1500rpm	1500rpm	1500rpm	1400rpm	800rpm	600rpm	1500rpm	1500rpm
Lid	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes