



ADVANCED THERMAL CYCLER (BASIC)

LATB-A1 SERIES



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Advanced Thermal Cyclers (Basic) LATB-A1 Series

Advanced Thermal Cycler (Basic) LATB-A1 series, adopted with advanced peltier based semi-conductor technology for thermal uniformity, is used in multiple PCR based experiments. It uses 6 pieces of advanced (US) Marlow peltier with maximum cycle time more than 200,000. This thermal cycler works on latest Windows OS, performs control function, print function, stores large data through RS232 interface for reliable, safe usage.

Features

- Bilingual graphical curve interface
 - High performance universal power supply
 - High definition 5.7" LCD display for easy observation
 - Data protection during power failure
 - Stepless adjustable lid for various height
 - High sealing reaction zone, to ensure stable reactions
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Applications

Widely used in PCR applications in research and development, food science, pharmaceuticals, life science, animal diagnostics and analytical laboratories.

Specifications

Model	LATB-A10	LATB-A11	LATB-A12
Capacity	96 × 0.2 ml	96 × 0.2 ml + 77 × 0.5 ml	54 × 0.5 ml
Block Temperature Range	0 to 99.9 °C		
Temperature Control Accuracy	≤ ± 0.2 °C		
Ramping Rate Adjustable	0.1 to 2.5 °C		
Temperature Uniformity	≤ ± 0.3 °C		
Heating Rate	4 °C/s		
Cooling Rate	3 °C/s		
Temperature Control Mode	Block\Tube		
Hot-lid Temperature Range	30 to 110 °C		
Hot Lid Height Adjustable	Stepless Adjustable		
Max No. of Steps	9		
Max No. of Cycles	99		
Time Increment/Decrement	1 sec to 9 min 59 sec		
Temperature Increment/Decrement	0.1 to 9.9 °C		
Program	200		
Pause Function	Yes		
Auto Data Protection	Yes		
Print	Yes		
LCD	5.7 inch, 320 × 240 pixels		
Communication	RS232 interface		
Power Supply	85 to 264 V AC, 47 to 63 Hz, 600 W		
Dimension (L×W×H)	380 × 240 × 260 mm		
Weight	10 kg		