



Thermal cycler



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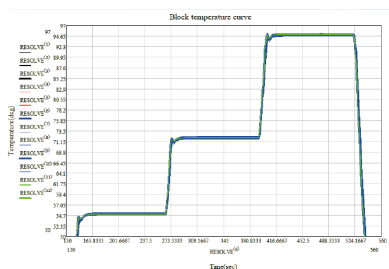
Darsun Scientific

Thermal cycler

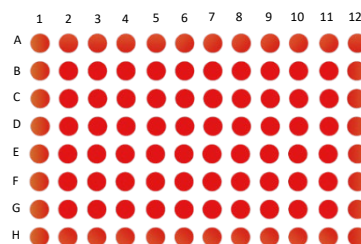
DS-96P



Product Features



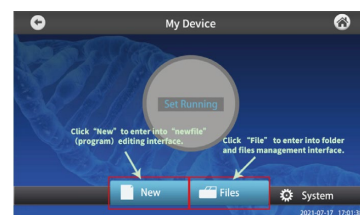
Fast ramping rate to 5°C/s, saving valuable experimental time



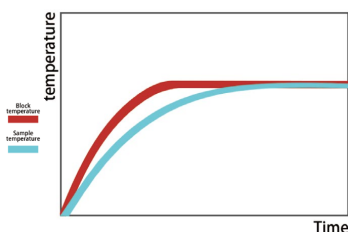
Stable temperature control: industrial semiconductor temperature control system leads to accurate temperature control and great uniformity between wells



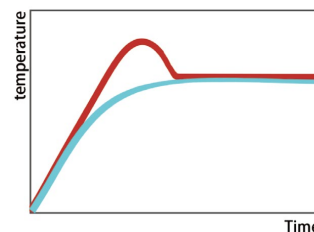
Various functions: flexible program setting, adjustable time temperature gradient, and temperature change rate, built-in Tm calculator



Easy to use Built-in graph-text quick operation guide, suitable for operators with various backgrounds



BLOCK mode



TUBE mode

Dual-mode temperature control: TUBE mode automatically simulates the actual temperature in the tube according to the reaction volume, which makes the temperature control more accurate; The BLOCK mode directly displays the temperature of the metal block, applicable to the small volume reaction system, and takes shorter time in same program



- Manual hot lid, high-strength mechanical buckle, not easy to wear
- Small size, light weight, suitable for various complex experimental environments
- Unique rear air outlet design, multiple machines can be placed side by side without difficult heat dissipation

Clinical diagnosis



Food safety



Epidemic surveillance



Basic scientific research



Forensic Identification



Model	DS-96P
Sample volume and consumable type	96-well × 0.2 mL (Full-skirted plate, half-skirted plate, Non-skirted plate; 12 × 8 strip tubes, 8 × 12 strip tubes, Single tube)
Technology program	Thermoelectric semiconductor technology
Monitor	Color touch screen (7 inch)
Screen adjustability	Fixed
Block temperature range	4°C-105°C
Maximum ramp rate	5°C/s
Temperature distribution	±0.2°C (55°C)
Gradient	36°C max and accuracy is ±0.5°C
Temperature accuracy	±0.1°C (55°C)
Temperature control mode	Block mode, Tube mode
Ramp rate adjusting range	0.1-5°C
Program capacity	Infinite
Maximum cycle	99
Time increase/decrease	0.1min-9min59s, Long PCR is available
Temperature increase/decrease	0.1-9.9°C, Touchdown PCR is available
Auto pause/ Power-off protection	Available
4°C reservation	Available
Real-time operation status display	Graph-text
Hot lid temperature range	Room temperature + 5-110°C
Hot lid temperature display accuracy	0.1°C
Intelligent hot lid	Hot lid shut-off automatically when product is preserved at low temperature or program ends
Communication interface	USB
Voltage range	100-240VAC, 50/60Hz
Output power	600w
Dimensions (D x W x H)	280×187×190 mm
Net weight	7kg