

Super Gradient Thermal Cycler PCR



Features

- ①. Newest generation peltier-based technology, more steady, reliable and durable. with ramping rate at 5.5°C/sec.
- ②. 7 inches color full touch screen, graphical display of protocols.
- ③. Bilingual interface (English and Chinese).
- ④. Download and upgrade software through flash drive.

Parameters:

| Model | PCR600 | |
|-----------------|---|--|
| Gradient Module | Block | 6*16wells*0.2 individual module |
| | | Six different annealing temperatures could be set for each zone |
| | Tube Type | 0.2ml PCR tubes, 8/12 Strips, 96 wells PCR plate |
| | Peltier Technology | New Generation Peltier Technology |
| | Display | 7 inches Color Touch Screen, graphically display the realtime protocols and running status |
| | Language | Full English |
| | Communications Ports | 2 USB and 1 LAN |
| Temperature | Venting System | Front air in and back air out, two cyclers can be placed side by side |
| | Block Temperature Range | 0°C-105°C |
| | Max. Heating Rate | 5.5°C/s |
| | Max. Cooling Rate | 4.5°C/s |
| | Temperature Uniformity | ±0.15°C |
| | Temperature Accuracy | ±0.10°C |
| | Display Resolution | 0.10°C |
| | Ramping Rate Adjustable | Yes |
| Gradient | Mode of Temperature Control | Sim-tube & Block mode |
| | Gradient Accuracy | ±0.15°C |
| | Zone Uniformity | ±0.20°C |
| | Gradient Range | 0°C-105°C |
| Software | Temperature Differential Range | Less than 25°C between two adjacent zones |
| | Gradient Capability | 6-zone temperature can be set independently, better than traditional gradient function |
| | Max. No. of programs | Max. 15,000 programs onboard, unlimited storage of protocols with USB flash drive |
| | Max. Step | 30 steps, multiple nesting cycle available |
| | Max. Cycle | 100 typical cycles, max. 60,000 nesting cycles |
| | Time Increment/Decrement | 1-120 sec, available for Long PCR & Touchdown PCR |
| | Temperature Increment/Decrement | 0.1-10.0°C, available for touchdown PCR |
| | Auto Pause / Auto Restart | Yes |
| | Multi-user Log in | With password-based authentication prevents from view, |
| | Tm Calculator | Automatically calculate the melting and annealing temperature with two primer sequences |
| | Hold at 4°C | Yes, an infinite incubation time at low temperature for overnight working |
| | Program Wizard | Yes, create PCR protocols with only a few clicks |
| Running Report | Yes, Provide precise information for the whole experiment | |
| PC Connection | Yes, PC remote control to manage multi units across the network | |
| Heat Lid | Height of Heat Lid | Steplessly adjustable Lid, accommodates all kinds of PCR tubes, strips and plates |
| | Lid Feature | Innovative "TOP-OPEN" technology, protection from over-pressure |
| | Heat Lid Temperature Range | 30°C-112°C |
| | Auto Shut-Off | Yes |
| Others | Power Supply | 85V-265V, 50-60Hz Max. 600W |
| | Package Size(L*W*H) | 362*256*255mm |
| | Gross Weight | 9.8kg |