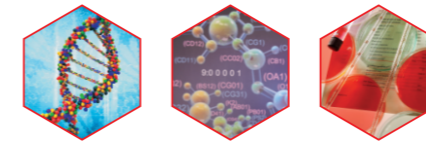




THERMAL CYCLER MANUFACTURER



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INNOVATIVE PELTIER TECHNOLOGY

ArtGene™ series

A600 Super Gradient Thermal Cycler



7" TFT Full Color Touch Screen
Graphically protocol edit and running

Front air-in and back air-out design, allow two cyclers be place side by side



Max. temp. differential range will be 25° C between two adjacent blocks

Six independently regulated thermal blocks to optimize a primer set

- ★ Six different annealing temperatures for each block
- ★ Better uniformity than traditional gradient cycler
- ★ Max. temp. differential range will be 25° C between two adjacent block
- ★ New generation peltier technology, with ramping rate at 5.5 degree/sec
- ★ Download and upgrade software through flash drive

Model	A600
Sample Block	6*16wells *0.2ml individual blocks,six different annealing temperatures could be optimized for each block
Tube Optional	0.2ml PCR tubes, 8/12 Strips, 96 wells PCR plate
Peltier Technology	New Generation Peltier Technology allow 1,000,000 cycles run
Display	7" Color Touch Screen, graphically protocols edit and running
Language	English
Communications Ports	2 USB and 1 LAN
Venting System	Front air in and back air out, two cyclers can be placed side by side
Temperature	
Block Temperature Range	4°C ~ 100°C
Max. Heating Rate	5.5°C/s
Max. Cooling Rate	4.5°C/s
Temperature Uniformity	≤ ± 0.15°C (at 90°C)
Temperature Accuracy	≤ ± 0.15°C (at 90°C)
Display Resolution	0.1°C
Ramping Rate Adjustable	Yes
Mode Of Temperature Control	Sim-tube & Block mode
Gradient	
Gradient Accuracy	≤ ± 0.15°C (at 90°C)
16 Wells Uniformity	≤ ± 0.2°C (at 90°C)
Gradient Range	0°C ~ 105°C
Temperature Differential Range	less than 25°C between two adjacent blocks
Gradient Capability	Six temperatures can be set independently, better than traditional gradient function
Software	
Max. Number 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.10,000 nesting cycles
Time Increment/decrement	1-120 sec, available for Long 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, protect personal protocols
Tm Calculator	Automatically calculates the melting and annealing temperature with two primer sequences
Hold At 4°C	Yes,a below ambient temerature incubation allow PCR results storage overnight
Running Report	Yes, provide full review after protocol running
Pc Connection	Yes, PC remote control to manage multi units across the LAN network
Heat Lid	
Height Of Heat Lid	Steplessly adjustable lid, accommodates 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
Other Features	
Power	Global switch power supply : 85V ~ 265V, 50-60Hz Max. 600W
Dimension (l x w x h)	362 x 256 x 255mm
Net Weight	7.3kgs