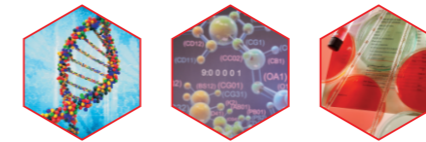




THERMAL CYCLER MANUFACTURER



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INNOVATIVE PELTIER TECHNOLOGY

ArtGene™ series

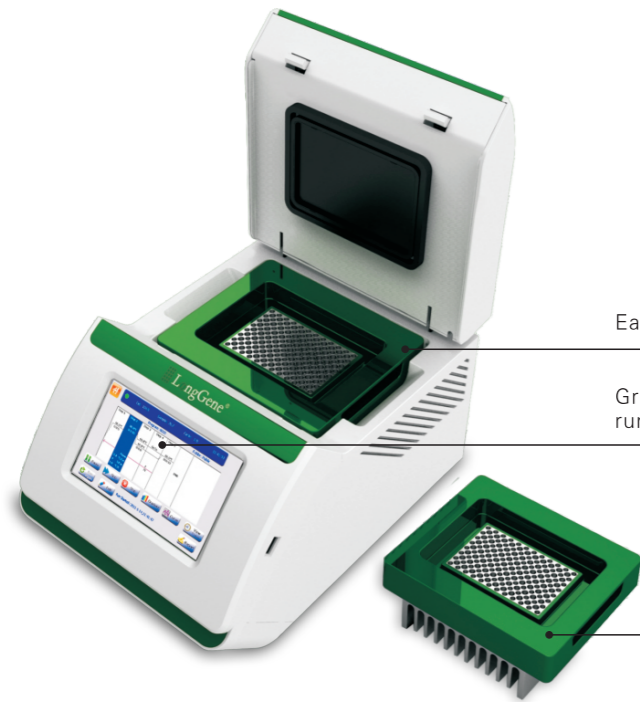
A300 Fast Gradient Thermal Cycler



Innovatively designed lid, patent protect

7" TFT full color touch screen

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



Easily interchange the blocks without tools

Graphically protocol edit and display the whole running

Optional blocks for choice

- ★ New generation peltier technology
- ★ MARLOW(U.S.) peltier elements adopted, ensure the long life with 1,000,000 cycles
- ★ 7" TFT color cull touch screen, graphically protocol edit and running
- ★ Outstanding uniformity, producing best PCR results
- ★ Optional blocks for choice, easily Interchange the blocks without tool
- ★ 15,000 protocols storable on board and unlimited storage by flash drive
- ★ Global universal switch power (85V-265V, 50-60Hz)

Model	A300
Optional Module	Gradient Module 96 Module: 96 wells × 0.2ml 9677 Module: 96 wells × 0.2ml+77wells × 0.5ml Multi-purpose Module: 9677 Module + In-situ Adapter 384 Module: 384 wells
Display	7"Color Touch Screen, graphical display of protocols and running status
Communications	USB2.0, LAN and RS232
Temperature	
Block Temperature Range	0°C ~ 105°C
Max. Ramping Rate	6°C/s
Temperature Uniformity	≤ ± 0.2°C (at 95°C)
Temperature Accuracy	≤ ± 0.2°C (35°C-100°C)
Display Resolution	0.1°C
Mode Of Temperature Control	Sim-tube & Block mode
Gradient	
Column Uniformity	≤ ± 0.2°C (at 95°C)
Gradient Accuracy	≤ ± 0.1°C (35°C-100°C)
Gradient Range	30°C ~ 105°C
Temp. Differential Range	Max. 30°C
Gradient Capability	12 Column
Heated Lid	
Height Of Heated Lid	Steplessly Adjustable Lid, accommodates a wide range of PCR tubes and plates
Open Method	Innovative "TOP-OPEN" technology realizes open and lift in one step
Heated Lid Temperature Range	30°C ~ 112°C
Auto Shut-off	Yes
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 (duplex nesting 60,000 cycles)
Time & Temp. Increment/decrement	Yes , available for Long PCR & 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 temperature incubation allow PCR results storage overnight
Program Wizard	Yes, create PCR protocols with only a few clicks
Running Report	Yes, provide precise data support for analyzing of experimental results
Pc Connection	PC remote control to manage more than 120 units of A300 across the network
Other Features	
Power	Global switch power supply : 85V ~ 265V, 50-60Hz
Power Consumption	Max. 600W
Dimension (l × w × h)	362 × 256 × 255mm
Net Weight	7.3kgs