

ArtGene™ Series

A300 *Fast* Thermal Cycler



Innovative Peltier Technology, Speedy Ramping Rate

Main Feature

Newest Generation Peltier-based Technology, Max. Ramping Rate Up to 6°C/sec.

7" Color Touch Screen, graphical display of protocols and running status.

Large Storage of 15,000 Programs on Board Enhancing Friendly Operation.

Effortlessly Interchangeable Modules Swapped in Seconds without Tools.

Outstanding Block Temperature Uniformity Ensuring Best Possible Experimental Results.

Global Adaptable Switch Power (85V–265V), Increasing Safety & Reliable Performance.

ArtGene™ Series A300 *Fast* Thermal Cycler

Standard Module

Gradient Module

Optional Module	96 Module:	96wells × 0.2ml	96 Module:	96wells × 0.2ml
	9677 Module:	96wells × 0.2ml+77wells × 0.5ml	9677 Module:	96wells × 0.2ml+77wells × 0.5ml
	48 Module:	48wells × 0.2ml+48wells × 0.5ml	48 Module:	48wells × 0.2ml+48wells × 0.5ml
	384 Module:	384 wells		
	Multi-purpose:	9677 Module + In-situ Adapter	Multi-purpose:	9677 Module + In-situ Adapter

Display: 7"Color Touch Screen, graphical display of protocols and running status

Communications: USB2.0, LAN

Temperature

Block Temperature Range: 0°C ~ 100°C

Max. Ramping Rate: 6°C/s

Temperature Uniformity: $\leq \pm 0.2^{\circ}\text{C}$ (at 95°C)

Temperature Accuracy: $\leq \pm 0.2^{\circ}\text{C}$ (35°C~100°C)

Display Resolution: 0.1°C

Mode of Temperature Control: Sim-tube & Block mode

Gradient

Column Uniformity:	/	$\leq \pm 0.2^{\circ}\text{C}$
Gradient Accuracy:	/	$\leq \pm 0.1^{\circ}\text{C}$
Gradient Range:	/	30°C ~ 99.9°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, prevent from view, copy and alteration of protocols

Tm calculator: Automatically calculates 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 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 Supply: Universal AC input Switching Power Supply (85V~265V), 50~60Hz

Power Consumption: Max. 600W

Dimension (L × W × H) : 362 × 256 × 255mm

Net Weight: 7.3kgs

HANGZHOU LONGGENE SCIENTIFIC INSTRUMENTS CO.,LTD.

Add: C512-513,Xihu Int'l Plaza,No.391,Wen Er Road, Hangzhou, Zhejiang, China 310012

Tel: 0571-8886 2165, 8886 2284, 8808 7653, 8808 7267

Fax: 0571-8739 7572 Http: www.longgene.com

E-Mail: nfo@longgene.com longgenehz@yahoo.com.cn



ISO9001-2000

