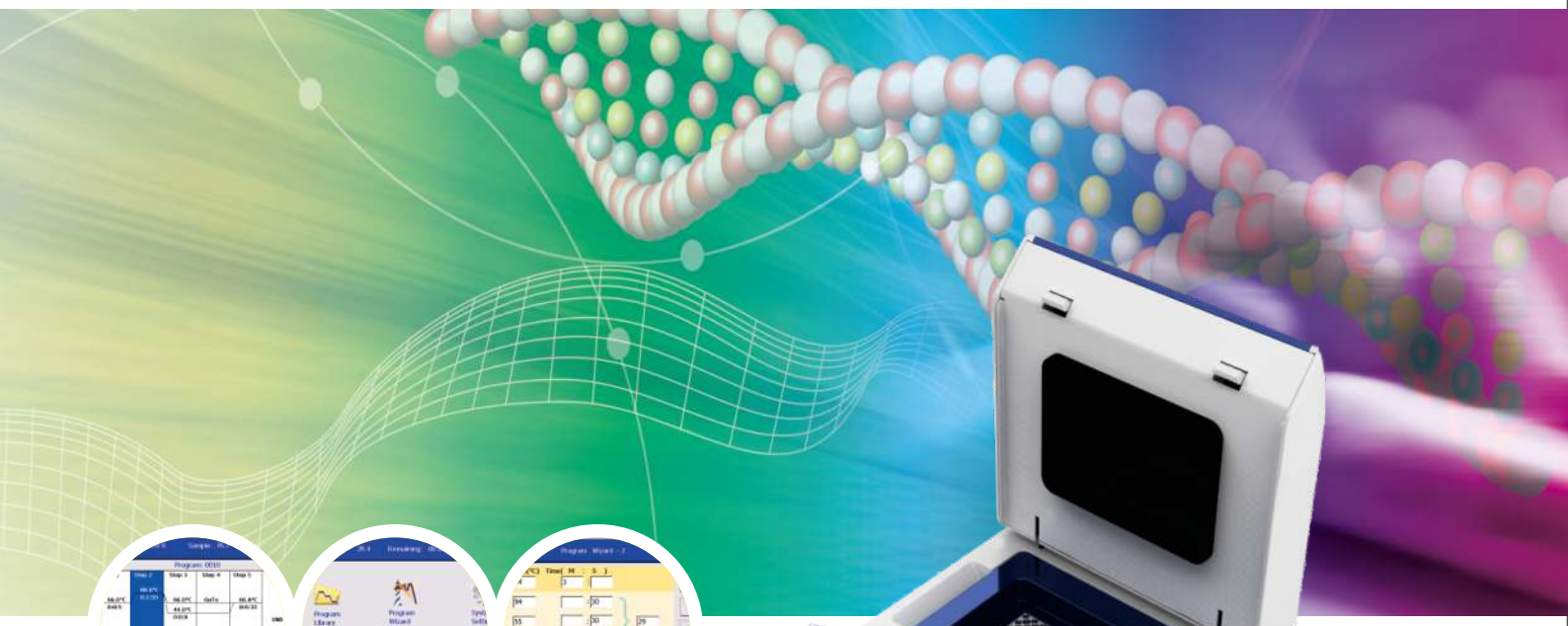
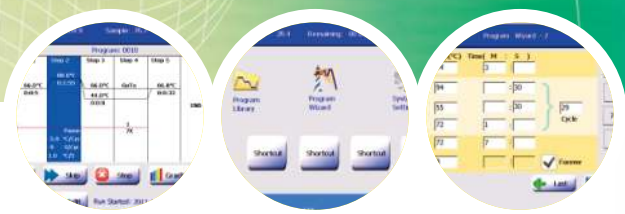
LongGene®

ArtGene™ Series Thermal Cycler





A100/A200

Main Feature

7" Color Full Touch Screen, real-time graphical display

◎Effortlessly Interchangeable Modules Swapped in Seconds without Tools

◎Durable Premium Peltier Element. Ensure Long Life and High Quality

◎Large Storage of 10,000 Programs on Board Enhancing Friendly Operation

◎Update Software through USB Flash Drive

◎Outstanding Block Temperature Uniformity Ensuring Best Possible Experimental Results

◎Global Adaptable Switch Power (100V–240V), Increasing Safety & Reliability Level

Model	A100 (Standard Thermal Cylcer)	A200 (Gradient Thermal Cylcer)
Optional Module	9677 Module：96 wells×0.2ml+77wells×0.5ml 96 Module：96 wells×0.2ml 384 Module: 384 wells Multi-purpose Module：9677 Module + In-situ Adapter	
Heating & Cooling Technology	New Generation Peltier technology allow 1,000,000 cycles	
Display	7" Color Touch Screen, real-time graphical display	
Language	English	
USB flash drive Function	Unlimited storage of protocols with USB flash drive	
Communication Ports	2 USB, & 1 LAN	
Venting System	Front air in & back air out, two thermal cyclers can be placed side by side	
	TEMPERATURE	
Block Temp.Range	0℃ ~ 105℃	
Max. Heating Rate	5℃/ s	
Max. Cooling Rate	4℃/ s	
Temp.Uniformity	≤ ±0.2℃	
Temp.Accuracy	≤ ±0.1℃	
Display Resolution	0.1℃	
Ramping Rate Adjustable	0.1~4℃/s	
	GRADIENT	
Gradient Accuracy	/	≤ ±0.1℃
Column Uniformity	/	≤ ±0.2℃
Gradient Range	/	30℃ ~ 105℃
Temp.Differential Range	/	0.1℃~42℃
Gradient Capability	/	12 Column
	SOFTWARE	
Max. Number of Programs	Max. 10,000 programs onboard, unlimited storage of protocols with USB flash drive	
Max. Step	30 Steps, multiple nesting cycles available	
Max. Cycle	100 Typical Cycles, max.10,000 nesting cycles	
Time Increment/decrement	1 ~ 600 sec, available for Long PCR	
Temp.Increment/decrement	0.1 ~ 10℃, available for Touchdown PCR	
Auto Pause / Auto Restart	Yes	
Multi-user Log In	With Password-based authentication to protect personal protocols	
Tm Calculator	Automatically calculates the melting & annealing Temp. of a pair of primers	
Hold at 4℃	A below ambient Temp. incubation allow PCR products storage overnight	
Real time temperature control curve record	Real time display of temperature change of hot cover and sample in operation	
Running Report	Provide detailed reports of previously run protocols	
PC Connection (Extra Option)	Remote PC control to manage 50 units by LAN network	
	HEAT LID	
MHeight of Heat Lid	Steplessly adjustable lid, accommodates PCR tubes, strips & plates	
Lid Feature	Innovative TOP-OPEN™ technology, protection from over-pressure	
Heat Lid Temp.Range	30℃ ~ 112℃	
Auto Shut-off	Lid will shut off automatically when protocol finish or the block Temp. falls below set Temp.	
	OTHER FEATURES	
Power Supply	100V ~ 240V, 50~60Hz	
Consumption	600W	
Dimension（L×W×H）	362×256×255mm	
Net Weight	7.3KG	
Certificate	ISO13485:2016，ISO9001:2015，CE	

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ISO9001-2015

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