

Classic Thermal Cycler BK-AI/BK-AII



Features:

- ①. 7" TFT color touch screen, graphically protocol edit and running.
- ②. Outstanding uniformity, producing best PCR result.
- ③. Effortlessly interchange the modules without tool.
- ④. 10,000 protocols storable on board.

Parameters:

Model	BK-AI	BK-AII
Optional Module	Standard Thermal Cycler	Gradient Thermal Cycler
	96 Module: 96 wells*0.2ml	
	9677 Module: 96 wells* 0.2ml+77 wells*0.5ml	
	384 Module: 384 wells	
	Multi-purpose Module: 9677 Module+In-situ Adapter	
Heating and Cooling Technology	Newest generation Peltier-based technology, with long life up to 1,000,000 cycles	
Display	7" Color Touch Screen, graphical display of protocols and running status	
Language	Bilingual: English and Chinese	
USB Flash Drive	Unlimited storage of protocols with USB flash drive	
Communications	USB 2.0, LAN and RS232	
Temperature		
Block Temperature Range	0~105°C	
Max. Heating Rate	5°C/s	
Max. Cooling Rate	5°C/s	
Temperature Uniformity	≤ ±0.2°C(at 95°C)	
Temperature Accuracy	≤ ±0.2°C(35~100°C)	
Display Resolution	0.1°C	
Mode of Temperature Control	Slim-tube & Block mode	
Ramping Rate Adjustable	Yes	

Gradient	
Gradient Accuracy	/
Column Uniformity	/
Gradient Range	/
Temp. Differential Range	/
Gradient Capability	/
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 most easy lid-open
Heated Lid Temperature Range	30~105°C
Auto Shut-off	Yes
Software	
Max. Number of Programs	Max.10,000 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 10,000 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 100 units of A100/A200 across the network
Other Features	
Power	Global switch power supply: 85~265V, 50-60Hz Max.600W
Packing Size(L*W*H)	430*340*335mm
Gross Weight	10kg