

## Gradient PCR Thermal Cycler

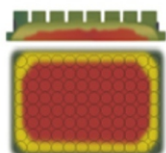
**MODEL: PCR-96**



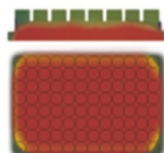
### SALIENT FEATURES:

- Excellent amplification due to high quality semiconductor
  - Industrial grade operation system
  - 36°C gradient range, ideal for protocol optimization
  - 7-inch touch screen, easy to edit, operate, save programs
  - Data saved to USB flash memory
- Compact design, small size
- High precision temperature control with good uniformity, quick heating up and cooling down

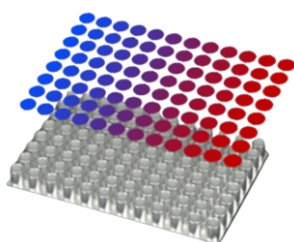
### • Heat Distribution



✗ Others:  
Uneven heating



✓ Uniform block temperature.  
Eliminate uneven heating transfer at the edges

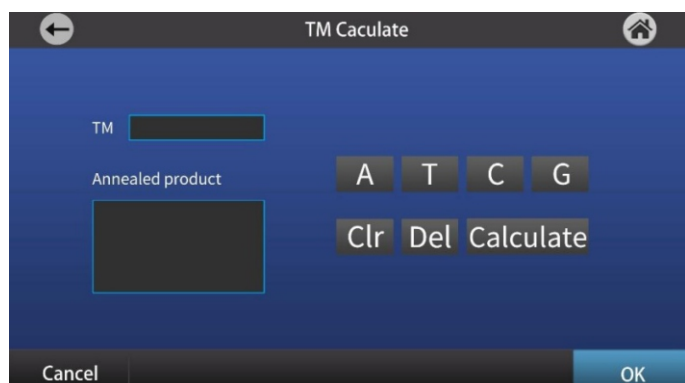


### • Gradient real-time distribution

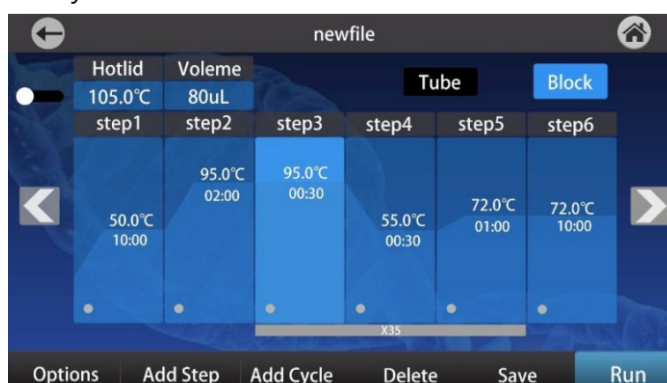
The system has a built-in gradient option, which can easily obtain accurate annealing temperature for different experimental samples to optimize PCR reaction conditions.

Real-time temperature display, more conducive to controlling the sample temperature.

### • TM Calculate



### • Easy to use intuitive UI



**SPECIFICATIONS:**

Model	PCR-96
Make	Galaxy
Temperature Control Method	Tube or Block
Sample Capacity	96 x 0.2ml
Compatible Ware	96-well×0.2 ml (Full-skirted plate, half-skirted plate, Non-skirted plate)
	12×8 strip tubes, 8×12 strip tubes, Single tube
Technology	Thermoelectric semiconductor
Block Temperature Range	+4 to 105°C
Temperature accuracy	≤±0.1°C (at 55°C) else ±0.25°C
Temperature uniformity	±0.3°C
Maximum heating rate	4.5°C/sec
Maximum cooling rate	3.5°C/sec
Heating Lid Temperature range	+5 to 110°C
Heating Lid Temperature accuracy	±0.1°C
Gradient Range	30 to 100°C
Gradient Temperature Accuracy	±0.3°C
Gradient Temp. Difference Range	0.1-36°C
Single step time range	1~59m59s(∞is continuous)
Max. cycle number	99
Time increment/decrement	0~9min59sec, longPCR is available
Temp. increment/decrement	0.1~9.9°C, touchdown PCR is available
Auto pause/ Power-off protection	Available
Intelligent Heating Lid	Hot lid shut-off automatically when product is preserved at low temperature or program ends
TM Calculation Model	Available
Real-time operation status	Available
Program storage quantity	> 10,000
Display Interface	Touch Screen (7 inch)
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	280×187×193 mm / 7 kgs