

# Trident 960 PCR System



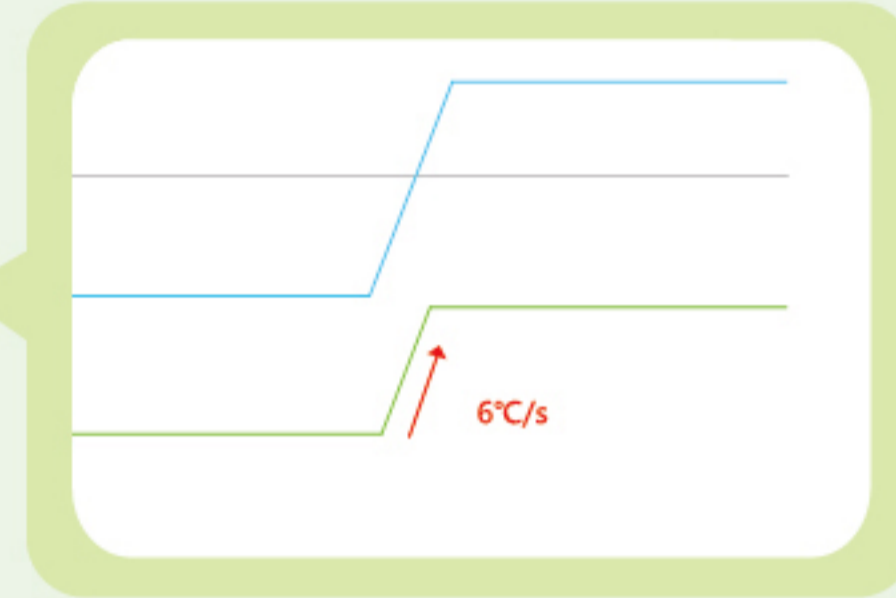
# Product Introduction

Trident 960 PCR system allows three users to control three independent blocks in the same thermal cycler, saving your time and budget. It combines the reliability and performance like our line of Heal Force thermal cyclers with flexible design and advanced features that adapt to your research needs.

With Android operation system, Trident 960 has been greatly optimized in terms of temperature control settings, program file management, and graphical interfaces, giving the user a more comfortable operating experience.



Three PCR programs run independently and precise temperature control is ensured



A temperature increase rate of up to 6°C/s further reduces the running time and reduces non-specific amplification.

Trident 960 can show its unique advantages in the case of fewer samples, more types of experiments, and more users.

The design of the independent module can help lab personnel utilize the instrument more efficiently and avoid the confusion caused by the cross usage between different users.



### Powerful processing system:

- Advanced Android system, strong software flexibility
- 1.2GHz operating frequency, extremely fast processing speed
- 2D, 3D graphics acceleration engine, smooth running screen

### Large touch screen:

- 10.1 inch color TFT touch screen
- Familiar Android interface, comfortable software operation
- The overall status of the program is displayed intuitively

### Unique hot lid design:

- One-touch cover opening, convenient and quick
- Three light indicators, visible at a glance
- The spring lock design ensures that the hot lid and tube lid are in proper pressure contact

### Multi-module design:

- The three modules operate independently and can be used by three people at the same time, avoiding long waits
- Parallel experiments are completed at a time, more efficient and reliable

# Streamlined & Elegant Design



The temperature change rate can be set in a single section to meet demanding experimental requirements.



Pull-type electromagnet open lid design, click the screen to open the lid



8G body storage, capacity can be extended through USB interface, and easy data import and export



Innovative design of block is easy for change. The process takes typically less than 10 seconds and requires no tools or kits.



Reserve mechanical lid opening function to ensure safe opening of hot lid in case of accident



Simple-to-operate Android user interface is driven by the 10.1-inch colorful touch screen for better viewing and programming



Low power consumption mode and one-touch screensaver for safety and energy saving

# General Specifications, Trident 960 PCR System

Model	Trident 960	Trident 960
Block forms	3×32×0.2ml	1×96×0.2ml
Temp. range	0~99.9℃	0~99.9℃
Max.heating ramp rate	6℃/sec	6℃/sec
Max.cooling ramp rate	4.5℃/sec	4.5℃/sec
Temp. uniformity	±0.2℃	±0.4℃
Temp. accuracy	±0.1℃	±0.1℃
Hot lid temp. range	20~110℃	20~110℃
Temp.adjustable rate	0.1~5℃	0.1~5℃
Gradient temp.span	1~30℃	1~30℃
Temp. control mode	Block / Calculated	Block / Calculated
Max.no. of cycle	999	999
Display	10.1 inches 1366×768 pels colored TFT touch screen	
Software	Andriod	Andriod
PC connection	Standard	Standard
Program pause function	Standard	Standard
Power down protection	Standard	Standard
Hold at 4℃	Unlimited	Unlimited
Storage	USB, SD card, On-board	USB, SD card, On-board
Communication	USB 2.0, LAN, Wifi	USB 2.0, LAN, Wifi
Power supply	AC85V-AC264V 50/60HZ	AC85V-AC264V 50/60HZ
Power input	700W	700W
Net weight	16Kg	16Kg
External dimension	502mmx394mmx293mm(L×W×H)	502mmx394mmx293mm(L×W×H)



Biological safety cabinet



Water purification system



Real-time PCR system



CO2/Tri-gas incubator



Laboratory centrifuge



Laminar flow clean bench



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