



## Isothermal Portable PCR8800

### Overview

Based on isothermal amplification technology and fluorescence detection technology, PCR8800 can be widely used in all kinds of isothermal amplification reactions of nucleic acid samples (DNA/RNA) including bacteria, viruses and other organisms. The reaction can be achieved in a compact & portable situation with robust functionality and flexible detection operation. By increasing detection speed and simplifying experimental operation, the product can provide a comprehensive solution for nucleic acid detection via specially designed temperature-control modules and combined use with highly effective test reagents. Wide range of applications in healthcare, farming, new drug R&D, reagents R&D for clinical diagnosis, animal disease detection and food safety, etc.

Sample capacity	8*0.2ml (20-100µl)
Detection speed	≤3s
Detection wavelength	523nm (FAM) 584nm (VIC/HEX)
Excitation wavelength	470nm (FAM) 525nm (VIC/HEX)
Temperature range	RT+5℃-100℃
Temperature uniformity	≤±0.1℃
Temperature accuracy	≤±0.05℃
Program memory capacity	10000+ (USB FLASH)
Fluorescent repeatability	≤3%
Power-off protection	Yes
Display screen	7-inch TFT touchscreen
Communication interface	USB2.0, RS232

### Product features:

- Small, light and portable
- Adaptive to on-board chargers for rapid outdoor detection
- Independent dual fluorescence channels for a variety of needs
- Graphical menu navigation interface without connection to PC
- High resolution TFT display (7 inches, 800\*480 pixels, 24 true colours)

