

Portable Ultrafast PCR System

Key Features of Palm PCR™ System

- Battery-powered, stand-alone device:
More than 4 hours of operation on a single charge
- Extended dynamic range:
Upto 2 kb with the high-speed and high-efficiency
- Ultra-fast amplification:

Palm PCR™ - G1
Portable ultrafast PCR system

LA998-1N0

Palm PCR™ - G2
Portable ultrafast PCR system with
Multi-Step Isothermal Function

LA1013-1N0

Palm PCR™ - LA998



Available in three authentic colors:

■ Red: LA998-R ■ Blue: LA998-B ■ Yellow: LA998-Y

Palm PCR™ - LA998 system is an ultrafast & easy-to-use machine which delivers high level of sensitivity. It has three Standard Fast PCR speed levels along with two speed levels each of the Standard Slow and Turbo Fast modes. The dynamic range is extended to upto 2 kb in the Standard Slow mode, and the PCR amplification is accelerated to 18-21 min/30-cycles in the Turbo Fast mode.

Palm PCR™ - LA1013



Available in three authentic colors:

■ Red: LA1013-R ■ Blue: LA1013-B ■ Yellow: LA1013-Y

Palm PCR™ - LA1013 is an extended version of the Palm PCR™ series. Further to the full capacity of performing PCR reactions, multi-step isothermal functions are provided. The LA1013 model represents a complete solution for performing both PCR reactions and related biochemical processes such as reverse transcription and DNA preparation, in a single instrument.

- **Isothermal incubation function: Programmable up to 4 steps with temperature range of 37°C to 98°C**

Time	Mode	Amplicon Size
8 - 12 min.	Turbo Fast Mode	≤ 200bp
12 - 27 min.	Turbo / Standard Fast Mode	≤ 800bp
27 -34 min.	Standard Fast Mode	≤ 800bp - 2kb

Palm PCR™ System Specifications

Palm PCR™	Specifications
Size (w x d x h)	: 71 mm x 121 mm x 47 mm
Weight	: 220 g (350 g including battery)
Display	: 1.3 inch color TFT LCD
Input power	: DC 11.1-15 V, 4 A
Power consumption	: ≤ 5 W (continuous operation) and ≤ 6.5 W (single operation) at 25°C
PCR speed	: 18 to 39 minutes / 30 cycles, seven speed levels
Dynamic range	: upto 2 kb
Temperature	: Well-to-well uniformity < 0.1°C Stability < 0.1°C, Accuracy < 0.2°C

Palm PCR™	Specifications
Number of wells	: 12
Sample volume	: 20 µl
Accessories	: Wedge Base, Model WB-1012A Li+ Polymer Battery, Model LP-1920A AC/DC Adapter, Model AD-1540A or KPL-060H
Electrical	: Battery (charging): DC 15 V ----, 4.0 A
Requirements	: AC/DC Adapter : AC 100-240 V ~, 50-60 Hz, 1.5 A
For LA1013	: Isothermal incubation function: Programmable up to 4 steps with temperature range of 37°C to 98°C