

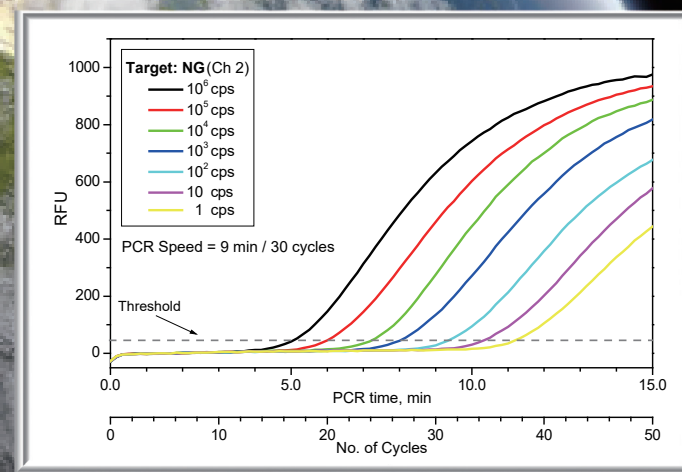
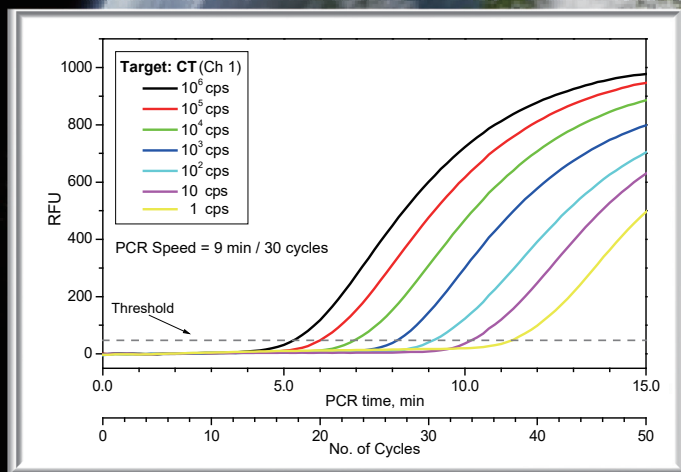
# Palm PCR™ S1

# The Future in Your Palm



At the leading edge of the PCR innovation, **Ahram Biosystems** proudly presents the **Palm PCR™ S1**, Ultra-fast Mobile Real-time PCR system.

This state-of-the-art mobile instrument allows you to instantly complete your real-time PCR tests **anywhere, anytime** with no limitations in environment, electricity and communication. With the essence of innovation **in your Palm**, you now have complete access to the future of biotechnology.



Ultra-Fast Multiplex Real-Time Assay with Extreme Sensitivity down to Single Copy

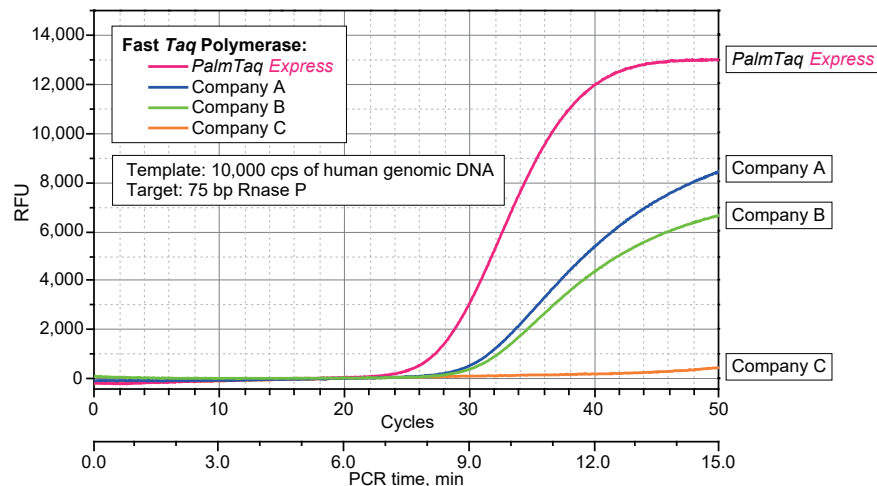
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## Ultra-Fast & Multiplexing

The **Palm PCR™ S1** system can deliver your multiplex real-time PCR results in less than 15 minutes with high sensitivity and accuracy, even at single copy target concentration.

Powered by the revolutionary convection PCR technology, this compact real-time PCR instrument allows you to reach unprecedented ultra-fast PCR speed, **18 seconds per cycle**. With maximum of **six real-time channels** available, the full capacity of real-time multiplexing can be attained with no detectable crosstalk, securing ultimate sensitivity and specificity.



### **PalmTaq™ Express with the highest speed and efficiency.**

Ahram Biosystems offers a full range of ultra-fast real-time PCR reagents, including **PalmTaq™ Express** Taq polymerase as well as **PalmScript™ Express** reverse transcriptase.

## Fully Mobile

The **Palm PCR™ S1** system features a stand-alone, fully mobile instrument. Completed in a small compact design, this mobile device is powered by a rechargeable Li<sup>+</sup> ion battery that enables more than 4 hours of continuous PCR operation per single charge of the battery, and operable at ambient temperature as high as 35°C.

Added on this innovation are the complete stand-alone capabilities, including a tablet PC and a wide touch screen user-interface enclosed, as well as limitless access to communication connections including Wi-Fi, Bluetooth, USB and LAN.

## Specifications

No. of wells:	24
Real-time channels:	Max. 6 (5 for S1 and 3 for S1e)
PCR speed:	As fast as 9 min/30-cycles
Sensitivity:	Down to single copy
Throughput:	Over 400 tests/8-hours
Size (w x d x h):	19.5 cm x 17.7 cm x 17.9 cm
Weight:	3.0 kg (3.8 kg including a battery)
Operation temperature:	Up to 35°C
Communications:	Wi-Fi, Bluetooth, USB and LAN
Portability:	≥ 4 hours continuous PCR operation per single charge of a battery