

Real Time PCR



Description

Compact Real-time thermal cycler can accommodate a 48-well polypropylene PCR plate utilizing the same geometry as standard 384-well plates, but is only 1/8 of the size. It can process up to 40% more samples per hour than a traditional 96-well instrument. Suitable for both single labs and core facilities, the thermal cycler's fast cycling enables several experiments per day. A specially designed thermal block delivers a unique heating and cooling system that provides accurate $\pm 0.1^{\circ}\text{C}$ temperature control and quickly cycles from one temperature to the next. An advanced high-performance optical system delivers precise and sensitive fluorescence detection, facilitating all four color multiplex applications. The qPCR unit is MIQE compliant, features an adaptive LED control and high-resolution melt (HRM) functionality. Easy-to-use software provides instrument control, data collection, and data analysis. An ergonomic plate loading dock allows for quick loading of the plate and is backlit for clear visibility.

Features

- ✓ Get quicker, more precise cycles from one temperature to the next
- ✓ Fast cycling — runs 40 cycles in under 20 minutes when optimized
- ✓ Uses four colors for easy multiplexing
- ✓ Offers $\pm 0.1^{\circ}\text{C}$ temperature uniformity