FS-3200 Real-time Fluorescent Quantitative PCR Instrument

Product Introduction

FS-3200 Real-time Fluorescent Quantitative PCR Instrument is a medium throughput rapid real-time fluorescent quantitative PCR instrument independently researched and developed by Beijing CapitalBio. Based on the real-time fluorescent quantitative PCR test principle, it is used for qualitative and quantitative test or melting curve test of target nucleic acid (DNA/RNA) in sample. FS-3200 adopts the design of double modules and 16x2 wells, and modules are non-interfering and can be configured independently for operation, maximizing the space utilization. As a medium throughput rapid PCR instrument, FS-3200 can be widely used for clinical test of pathogenic organism, oncogene, reproductive inheritance, drug-related gene and other fields.

Product Features

01

Multiplex Test

6-color fluorescent channel, it can realize the concurrent testing for multi-index pathogens

02

Simple Operation

The temperature rising rate can be up to 12°C/S

03

Rapid

The test throughput for 1-32 samples can be chosen flexibly

04

Flexible Throughput

The modules can be configured and operated independently, and used efficiently

Main Performance Index

Optical channel: 6-color fluorescent channel	Temperature accuracy: ⩽0.1°C
Sample volume: 1-32	The maximum melting temperature range of melting curve is 35.0°C-95.0°C
Maximal temperature rising rate: ⩾10°C/s	The coefficient of variation (CV, %) of fluorescence intensity test repeatability is ⩽1.5%
Maximal temperature dropping rate: ⩾6.5°C/s	The coefficient of variation (CV, %) of fluorescence intensity test precision is ⩽3.5%
Module temperature control accuracy: ⩽0.1°C	Weight: 12kg
Temperature resolution: ⩽0.1°C	Instrument size: 490mm×265mm×250mm

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