

Real-Time PCR System



96
samples
in 1 run



About instrument

croBEE RT is a fully integrated PCR system with the capacity of 96 samples designed for nucleic acids amplification and detection and complex analysis of obtained data.

Features

High
Throughput

Multiple
Channels

Available in
4 or 5-channel
versions

Ultrafast
Dual-Color
Scanning
Speed

Benefits

- High temperature control accuracy & stability
- Dual high-sensitivity synchronous detection
- Unique constant pressure Hot Lid System
- Long-life led light source
- Maximum 36 °C temperature gradient control function
- Professional analysis software

Technical specification

Sample Capacity
Excitation Wavelength
Emission Wavelength
Detected Fluorescence

Temperature Block Range
Heating/Cooling Rate
Temperature Control Accuracy
Temperature Fluctuation
Temperature Uniformity
Temperature Control Mode
Sample Volume Range
Temperature Gradient Range
Hot Lid Temperature Range
Fluorescence Detection Repeatability
Feature Function

Power Supply
Dimensions
Weight
Certification

96-well PCR plate, 12×8-strip, 96×0.2 ml (transparent bottom)
300-800nm
500-800nm
F1: FAM, SYBR Green 1
F2: HEX, VIC, TET, JOE, Cy3, NED, TAMRA
F3: ROX, Texas Red
F4: Cy5
F5: Cy5.5 (CBRT5/96 only)
4-105 °C (minimum increment: 0.1 °C)
4.0 °C/s
±0.1 °C
±0.1 °C
±0.3 °C
BLOCK / tube simulation mode (based on sample volume)
5-100 µL
1-36 °C
30-110 °C (adjustable, default 105 °C, automatic hot lid)
5 %
absolute quantification, relative quantification, SNP analysis, HRM analysis, automatic data analysis, melting curve, temperature gradient, automatic/customized gain, multiple file gene expression analysis
100-240 V , 50/60 Hz, 600 W
386×415×380 mm (W×D×H)
31 kg
CE IVD for *in vitro* diagnostics Use

Available in 4 or 5-channel versions.

www.geneproof.com