

Rotor-Gene™ 3000

Four-Channel Multiplexing System Real-Time DNA Detection System Open Chemistry Platform

The Rotor-Gene multi-filter system can detect all available real-time chemistries including Sybr-Green, dual-labelled and MGB probes, FRET and Molecular Beacons. Most DNA amplification enzymes/buffers can be used on the system to generate Quantitation/Melt data. It is not necessary to use expensive kits that are specific to the instrument.

Advantages

- User-Friendly Software Interface
- MeltCurve Analysis
- Quenched FRET analysis
- 4 Channel Multiplexing
 - No Spectral Overlap
 - 4 Separate Light Sources
 - Ultimate Temperature Uniformity
- Optical Denaturation™
 - High Speed Data Acquisition
 - 0.01°C Temperature Uniformity
- Automatic Temperature Calibration



Rotor-Gene™ 3000

Excitation Source:	470nm, 530nm, 585nm, 625nm LED high power diodes
Detection Filters:	510nm, 555nm, 610nm bandpass 665nm, 570nm, 610nm high-pass
Fluorophores Detected:	Sybr-Green I, Fam, Tet, Joe, Vic, Max Rox, Tamra, Cy3, Cy5, Cy5.5, Tex Red
Temperature Range:	25 – 99 °C
Dimensions:	380(W) x 480(D) x 315(H)
Weight:	17 kg
Electrical Requirements:	100-12-Vac @ 5 Amps 200-240Vac @ 3 Amps (50/60Hz)
Sample Capacity:	36 x 0.2ml Standard Micro-tubes 72 x 0.1ml Strip tubes
Heating/Cooling Rate:	2.5 °C/second (tube temperature) 5.0 °C/second (air temperature)
Temperature Uniformity (Sample to Sample):	+/-0.01 °C
Temperature Accuracy:	+/-0.5 C
Temperature Precision:	+/-0.1 C
Accessories:	36 well rotor, 72 well rotor 72 well loading block 0.2ml tubes, 0.1ml strip tubes 36 and 72 well locking rings
Computer System:	Desktop or Laptop

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Rotors and Locking Rings



Rotor-Gene 3000
Rotor 36 x 0.2 ml



Rotor-Gene 3000
Locking Ring for 36 x 0.2 ml



Rotor-Gene 3000
Rotor 72 x 0.1 ml
Strip-Tubes



Rotor-Gene 3000
Locking Ring for 72 x 0.1 ml
Strip-Tubes