

NeoReal 1000+

NB-12-3027-2

NeoReal 1000+ - 4 channels RealTime PCR System

- 1, The new generation of Peltier-based technology, fast ramping rate of up to 7°C/sec.
- 2, Maintenance free, long life LED illuminator and high sensitivity photoelectric detector.
- 3, Synchronous two color detection system, reducing errors caused by delay, shortening scan time.
- 4, Calibration with ROX dye is not required, guarantees extremely uniform fluorescence wells.
- 5, The software could be upgraded free for life.



TECHNICAL SPECIFICATIONS

PERFORMANCE

Sample Block Capacity	48 wells *0.1ml
Reaction Volume	10-50µl (recommend 20µl)
Tubes Option	Low-profile, white or clear PCR tubes or strips of tubes with optical flat cap
Heating & Cooling Technology	New generation Peltier technology allow 1.000.000 cycles
Control Methods	Operate via PC control or limited function on instrument
Language	English
Communication Ports	USE 2.0 & LAN
Display	7" Color TFT LCD and Touch Screen
Certified	Non CE-IVD

TEMPERATURE

Block Temp. Range	0°C-105°C
Max. Heating Rate	7°C/sec
Max. Cooling Rate	5°C/sec
Temp. Uniformity	±0.2°C at 90°C

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Temp.Uniformity	±0.2°C at 90°C
Temp.Accuracy	±0.1°C (10 seconds after reach 90°C)
Display Resolution	0.1°C
Heat Lid Temp.Range	30°C-112°C
Temp.Control Mode	Block & Sim-tube mode
Gradient Range	30°C-105°C
Temp.Differential Range	1°C-24°C

OPTICAL MODULE

Excitation	Long life LED
Detection	CCDs
Dynamic Range	1-10 ¹⁰
Detection Sensitivity	≥1 copy
Calibrated Dyes at Installation	F1 : FAM, SYBR Green F2 : VIC, HEX, TET, JOE, CY3, NED F3 : ROX, TEXAS-RED, TAMARA F4 : CY5, Quasar670
Fluorescence Excitation Range	300-800nm
Fluorescence Detection Range	500-800nm
Date Export Formats	TXT, PDF, WORD

OTHER FEATURES

AC Power Supply	100V-240V, 50-60Hz
Consumption	400W
Net Weight	8.2kg
Dimensions (L×W×H)	320×205×380mm

COMPUTER system requirements

Operating Systems	Windows7, Windows10, WindowsXP
CPU Speed	2.0GHz
Display Resolution	1366×768
Memory	4.00 GB RAM
Available Hard Disk	> 20 GB