

NeoReal 1000/1000+ Real-Time PCR System

#Cat: NB-12-3027-1 Size: 2 channels RealTime PCR System

#Cat: NB-12-3027-2 Size: 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.



Product Specifications

Model	NB-12-3027-1	NB-12-3027-2
Instrument 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								
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 & Calculated sample								
Gradient Range	30°C ~ 100°C								
Temp Differential Range	1°C - 24°C								
Fluorescence Detection									
Excitation	Long life LED								
Detection	CCDs								
Dynamic Range	1-10 ¹⁰								
Sensitivity	≥1 copy								
Calibrated Dyes at Installation	<table border="0"> <tr> <td>F1 : FAM, SYBR Green</td> <td>F1 : FAM, SYBR Green</td> </tr> <tr> <td>F2 : VIC, HEX, TET, JOE, CY3, NED</td> <td>F2 : VIC, HEX, TET, JOE, CY3, NED</td> </tr> <tr> <td></td> <td>F3 : ROX, TEXAS-RED</td> </tr> <tr> <td></td> <td>F4 : CY5</td> </tr> </table>	F1 : FAM, SYBR Green	F1 : FAM, SYBR Green	F2 : VIC, HEX, TET, JOE, CY3, NED	F2 : VIC, HEX, TET, JOE, CY3, NED		F3 : ROX, TEXAS-RED		F4 : CY5
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Fluorescence Excitation Range	300-800nm								
Fluorescence Detection Range	500-800nm								
Date Export Formats	Excel, TXT								
OTHER FEATURES									
AC Power Supply	100V-240V, 50-60Hz								
Consumption	400W								
Net Weight	8.2kg								
Dimensions (L×W×H)	320×205×380mm								
Computer Operating Systems	Windows7, Windows10, WindowsXP								
CPU Speed	2.0GHz								
Display Resolution	1366×768								
Memory	4.00 GB RAM								
Available Hard Disk	> 20 GB								