

NeoReal 160

NB-12-3030

NeoReal 160 - 2 channels – 16 wells RealTime PCR System

- 1, 16 wells 2 channels, specialize in fast quantitation (4 channels optional)
- 2, Innovative SSLP™ CCD imaging technology for qPCR, fluorescence of all sample holes is detected at the same time.
- 3, 7" Color TFT Touch Screen, Edit, run, and view results at a glance.
All operation and analysis could be done on board with no computer
- 4, Self-lock heat lid realize no evaporation.
- 5, T-Optical™ top detection technology, white PCR tube could be used, produce better sensibility.
- 6, Top excitation and detection technology ensure white tubes could be used, which could get better results.



TECHNICAL SPECIFICATIONS

PERFORMANCE

Sample Block Capacity	16 wells *0.1ml
Reaction Volume	10-100µl
Tubes Option	Low-profile white 0.1 ml PCR tube /8-tube strips with optical flat cap
Heating &Cooling Technology	New generation Peltier technology allow 1.000.000 cycles
Display	7"Color TFT Touch Screen, Edit, run, and view results at a glance
Optical System	SSLP™ CCD imaging technology
Certified	Non CE-IVD

TEMPERATURE

Block Temp.Range	4°C-100°C
Max.Heating Rate	5°C/sec
Max.Cooling Rate	4°C/sec

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Temp.Uniformity	±0.25°C (at 90°C)
Temp.Accuracy	±0.25°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

FLUORESCENCE DETECTION

Excitation	Long life LEDs
Detection	CCDs
Dynamic Range	1-10 ¹⁰
Detection Sensitivity	Detects 1 copy
Fluorescence Detection Type	T-Optical™ top excitation & detection technology; with no moving parts
Calibrated Dyes at Installation	F1 : FAM, SYBR Green F2 : VIC, HEX, JOE, CY3, NED
Fluorescence Excitation Range	300-800nm
Fluorescence Detection Range	500-800nm
Date Export Formats	TXT, PDF, WORD

OTHER FEATURES

Power	Global switch power supply: 85V-265V, 50-60Hz
Consumption	220W
Net Weight	3.6KG
Dimensions (L×W×H)	305×179×186mm
Communications	USB 2.0 & LAN, export date via USB flash drive