

# PCR & Real-Time PCR Systems



PROMOTION

# Real-Time PCR Systems

## Q9600 Pro Series

High-performance fluorescence detection  
for accurate gene amplification



### Limited-Time Promotion

Model	Detection Channel	List Price	Promo Price
Q9602PRO	2 Channels (96×0.2 mL)	€14.000	€11.523
Q9604PRO	4 Channels (96×0.2 mL)	€16.000	€12.899
Q9606PRO	6 Channels (96×0.2 mL)	€18.000	€14.283



## Feature Q9600 Pro Series

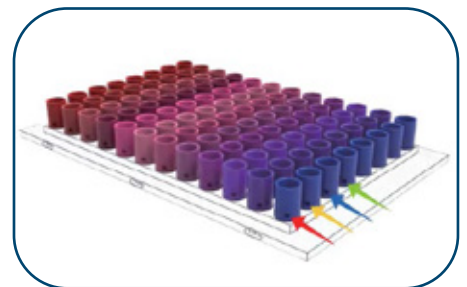
- 1** With 12.1-inch LCD touchscreen, real-time monitoring of operating conditions, and can be run offline
- 2** Up to 100 projects can be preset, and it is convenient and fast to run frequently used projects with one click.
- 3** With temperature gradient function, 12 rows of gradient temperature settings can be realized at a time.
- 4** Maximum ramping rate 8°C/s, saving the test time.
- 5** LED light source has the advantage of energy saving, environmental protection, long service life and maintenance free.
- 6** Strong fluorescence signal, low background noise and high sensitivity.



12.1" retractable LCD touch screen, the screen angle can be adjusted



Configure automation hot lid, can be used with automation workstation, improve work efficiency



Unique side scan technology, all channels can be detected simultaneously, complete the scan of all fluorescent channels of 96 samples within 5s



## Parameters Q9600 Pro Series

Model/Specification			
Model No.	Q9602 Pro	Q9604 Pro	Q9606 Pro
Sample Capacity	96 well, 12×8 strip, 96×0.2ml single tube		
Formats	0.2ml tube, 0.2ml 8-tube strips, 0.2ml 96 well plate		
Reaction Volume	10–100 µL		

Temperature Control Performance	
Temperature Range	0–100°C
MAX. Ramp Rate	8°C/s
Temp. Fluctuation	≤±0.1°C
Uniformity	≤±0.2°C
Accuracy	≤±0.1°C
Gradient Spread	0.1–42°C
Hot Lid Temperature	30°C–115°C (Adjustable, default 105 °C)
Temperature Control	Block/Tube

Optical Performance			
Excitation Wavelength	300–810nm		
Emission Wavelength	500–810nm		
Detection Channel	2 channel	4 channel	6 channel
Detection Method	All channels scan at the same time		
Scan Period	5 seconds to complete 96 well test		
Factory Calibrated Dyes	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5	F1: FAM/SYBR-Green/EVA-Green F2: HEX/VIC/JOE/TET/YELLOW F3: ROX/Texas Red F4: Cy5 F5: Cy5.5 F6: CY3
Excitation	Long life LED		
Detection	High sensitivity photoelectric detector		
Dynamic Range	1–10 Copies		
Sensitivity	1 copy		



## Parameters Q9600 Pro Series

Control System	
Lid Operation	Automatic hot lid
Feature Function	Qualitative/absolute quantification, relative quantitative, genotyping, HRM, melting curve, standard curve, allele identification, temperature gradient function, etc.
Data Management	Audit Trail System
Operation System	Win7,Win10,Win11
Remote Monitoring	Can be connected to laboratory management system
Automation Platform	Can be used with automated workstations
Data Export Formats	xls, csv, txt, pdf, jpg
Printing	Report can be printed directly
Control Method	12.1-inch retractable LCD touch screen control or connect to computer control
Communication	USB2.0, RS232

Other Performance	
Dimension	520×350×330mm(L×W×H)
Weight	32KG
Voltage	100-220VAC, 50-60Hz
Power	1500W



PROMOTION

# PCR Thermal Cyclers

## RePure Series

Reliable and flexible thermal cycling  
for every lab application



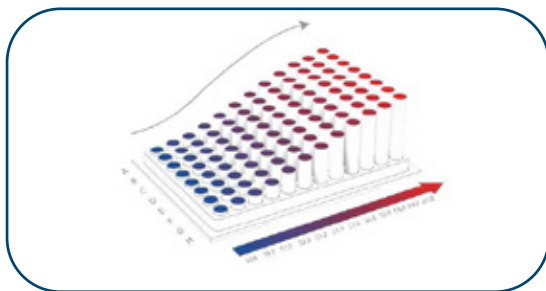
### Limited-Time Promotion

Model	Detection Channel	List Price	Promo Price
RePure-A	96×0.2 mL, Normal Gradient	€3.800	€3.099
RePure-A(F)	96×0.2 mL, Normal Gradient	€4.500	€3.599
RePure-A (384)	384 well, Normal Gradient	€4.400	€3.499
RePure-B	16×0.2 mL ×6, Dynamic Gradient	€4.800	€3.799
RePure-F	96×0.2 mL, Normal Gradient	€5.200	€3.999
RePure-C	96×0.2 mL, 2D Gradient	€6.200	€4.699

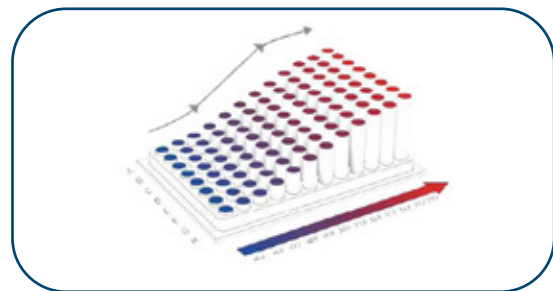


## Feature RePure Series

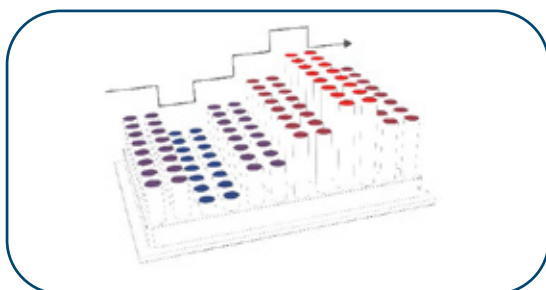
- 1** Long service life Peltier heating units.
- 2** High heating and cooling rate, max. Ramping rate 9.5°C/s, can save your precious time.
- 3** Gradient types are normal gradient, linear gradient, dynamic gradient, and two dimensional gradient.
- 4** Air channel is in front and back and it allows machines to be placed side by side.
- 5** Hot lid temperature is adjustable to meet different experimental needs.
- 6** WIFI module built-in, one unit can control multiple PCR machines through computer or cell phone with internet connection.



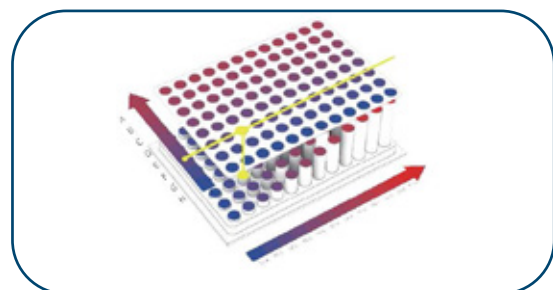
Normal



Linear



Dynamic



Two Dimensional



## Parameters RePure Series

Model/Specification						
Model No.	RePure-A	RePure-A(F)	RePure-A(384)	RePure-B	RePure-F	RePure-C
Sample Capacity	96×0.2ml		384well	6×16×0.2ml	96×0.2ml	
Formats	0.2ml tube, 8 strips, 12 strips, Half skirt 96 wells plate, No skirt 96 wells plate	0.2ml tube, 8 strips, 12 strips, 96 wells plate	384 PCR microplate	0.2ml tube, 8 strips, 12 strips, Half skirt 96 wells plate, No skirt 96 wells plate		
Reaction Volume	5-100µL		5-30µL	5-100µL		

Temperature Control Performance						
Temperature Range	0-105°C					
MAX. Ramp Rate	6°C/s	7°C/s	5°C/s	6°C/s	8°C/s	9.5°C/s
Uniformity	≤±0.2°C					
Accuracy	≤±0.1°C					
Display Resolution	0.1°C					
Temperature Control	Block/Tube					
Ramping Rate Adjustable	0.01-6°C/s	0.01-7°C/s	0.01-5°C/s	0.01-6°C/s	0.01-8°C/s	0.01-9.5°C/s
Hold at 4°C	Forever					

Gradient Performance					
Gradient Temp. Range	30-105°C				
Gradient Type	Normal/Linear		Dynamic	Normal/Linear/2D	Normal/Linear/2D
Gradient Spread	0.1-42°C		Six zone, each zone is 0.1-5°C	Horizontal:0.1-42°C Vertical:0.1-30°C	Horizontal:0.1-42°C Vertical:0.1-30°C

Hot Lid Function	
Hot Lid Temperature	30-115°C



## Parameters RePure Series

Software Function			
Number of Programs	200,000+(USB FLASH)		
Max. No. of Step	30(Multiple nested PCR experiments)	40(Multiple nested PCR experiments)	
Max. No. of Cycle	200(Up to 100,000 in nested cycles)		
Time Increment/Decrement	1s-600s, Long PCR is available		
Temp. Increment/Decrement	0.1-10.0°C, Touchdown PCR is available		
Pause Function	Yes		
Auto Data Protection	Yes		
Temperature Curve	Record hot lid and module temperatures in real time, with a 60-minute recording time on a single page and a sliding view		
GLP Report	Record the running information of each step of the program, and can export CSV, PDF format report		
File Encryption Function	Individual program files can be encrypted		
User Management Privilege	Three levels of access (administrator, user, guest)		
Email Notification	Email notification after experiment is over		
Lock Screen Function	Prevents accidental termination of the program being experimented on		
PC-LINK Function	Simultaneous on-line monitoring of more than 250 instruments		
Mobile Phone APP	Simultaneous on-line monitoring of more than 250 instruments		

Other Performance			
Communication	USB 2.0,WIFI		
Dimensions	385mm×270mm×255mm(L×W×H)		
Weight	10kg		
Power Supply	100-240VAC, 50/60Hz, 600W	100-240VAC, 50/60Hz, 750W	100-240VAC, 50/60Hz, 1200W



**[www.microtech.eu](http://www.microtech.eu)**

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