

LineGene K Plus

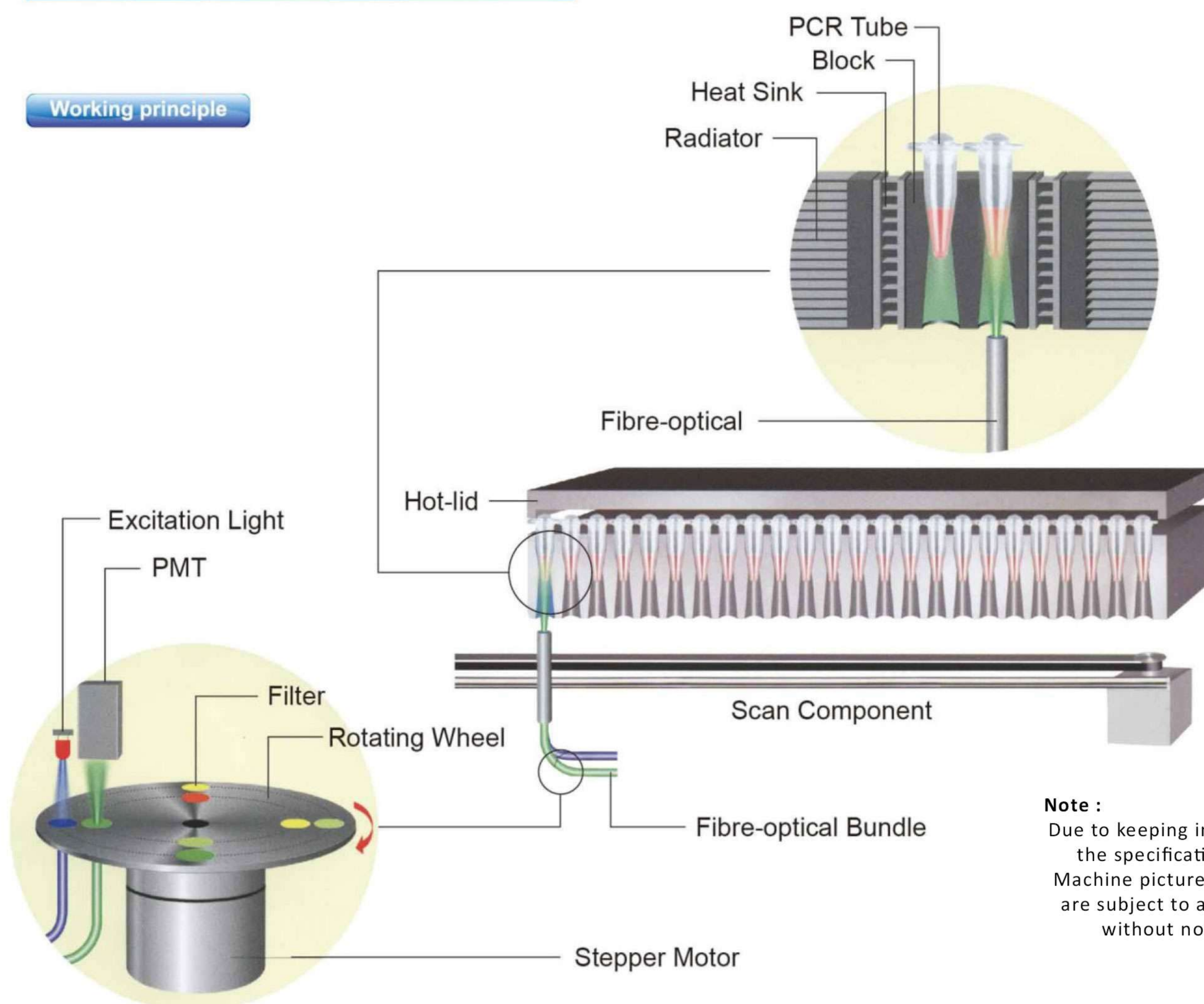


LineGene K Plus is Bioer latest realtime PCR detection system.

LineGene K plus has a faster heating and cooling rate, better temperature control accuracy, temperature uniformity and the machine stability with the specially-made Peltier by Ferrotec, advanced optical fiber technology, the new wide voltage power supply, its unique block radiating patent technology and the bottom detection patent mode. It can be used with Windows Tablet PC. This new touch screen operation will bring you the ultimate experience of human-computer interaction.

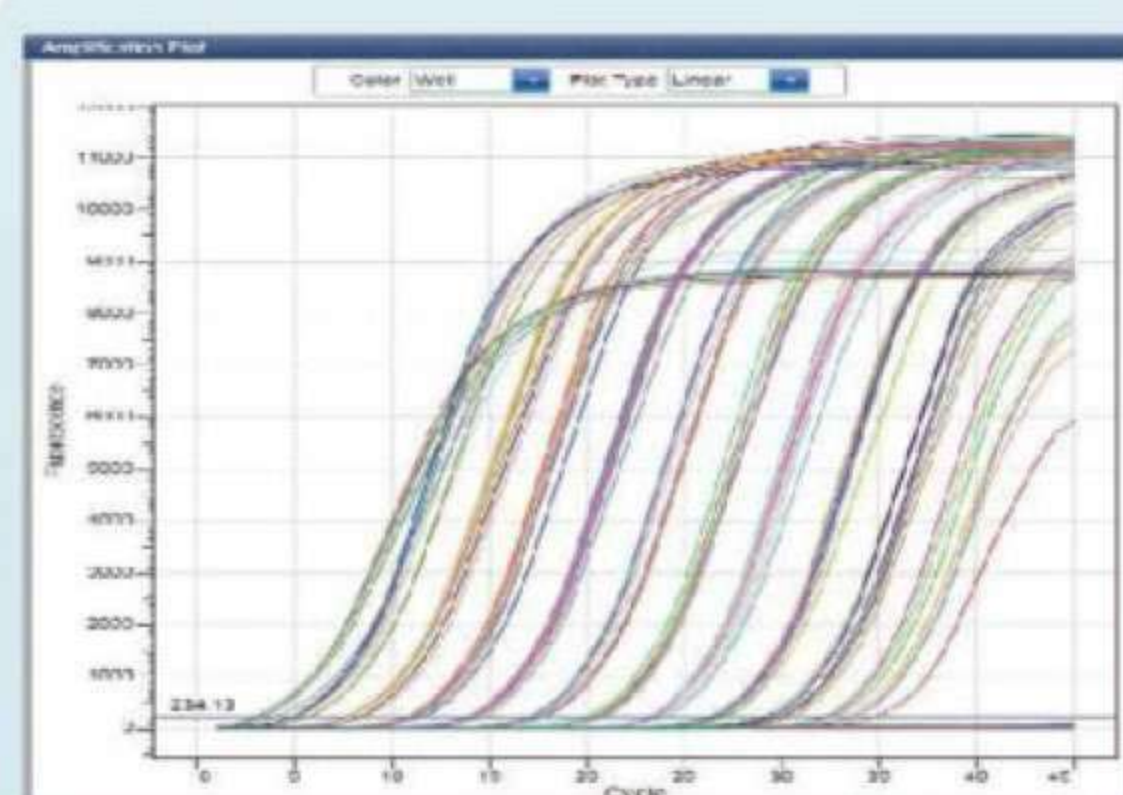
The new and innovative LineGene K Plus Real-time PCR detection system can adapt to different levels of customer requirements, which can fully meets various requirements of scientific research and clinical applications.

Working principle



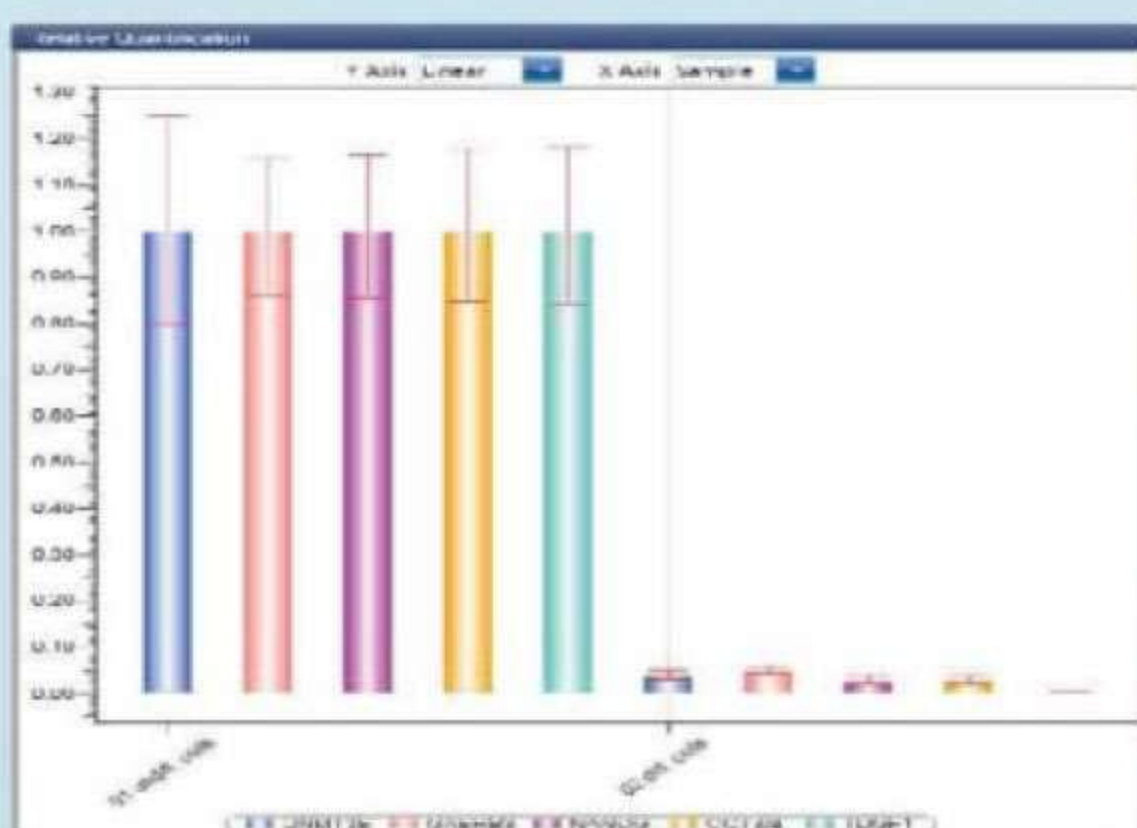
Note :
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the specification and
Machine pictures or color
are subject to alteration
without notice!

Technical parameters of product



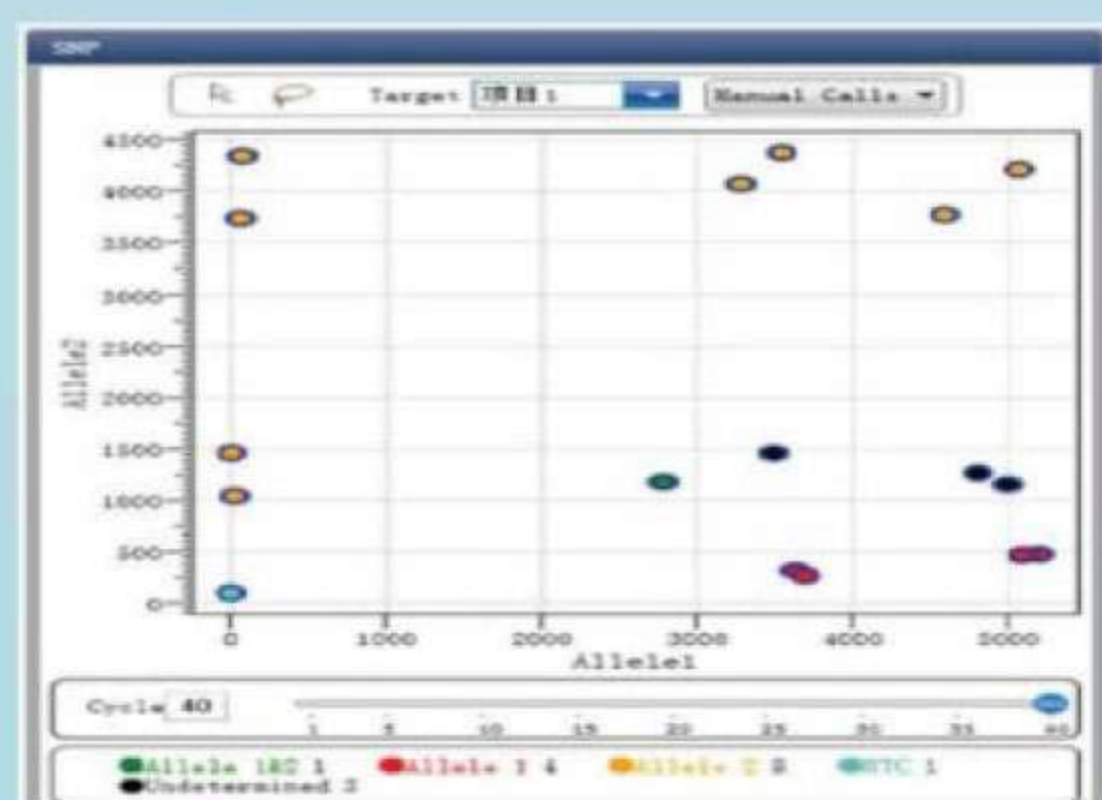
Absolute Quantification

Repeating the experiments of 10 times concentration gradient. The results show good reproducibility and high sensitivity.



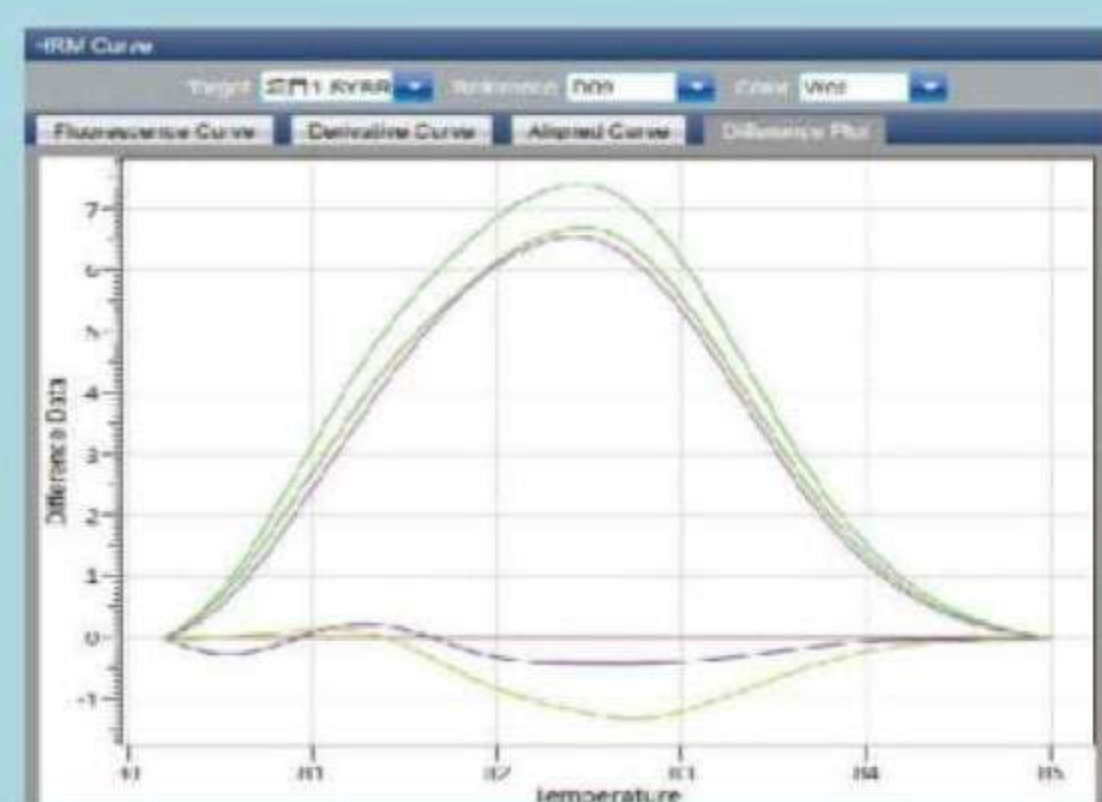
Relative Quantification

The detected genes: GAPDH(Endogenous Control), NANOG, OCT3/4, DNMT3B, GABRB3, TOGF1. The results show that the relative content of each gene is detected accurately.



SNP

The results shows that different genotypes are obviously distinguished.



HRM

2 templates with one base pair difference in triplicate. The difference is easily recognized.



Specifications

Product name	LineGene K Plus Real-Time PCR Detection System			
Model	FQD-48A			
Certificate	Ferrotec Peltier/CE/MET/RoCH2/PICC product quality liability insurance			
Sample Capacity	48×0.2ml (Single tube or Strips 8 PCR tubes)			
Detected Fluorescence	F1	F2	F3	F4
Dye	FAM, SYBR Green I	VIC, HEX, JOE, Cy3 TAMRA	ROX, TEXAS-RED	Cy5 Quasar 670
Block Temp. Range	4~105℃ (Min setting scale is 0.1℃)			
Heating/Cooling Rate	4℃/s(max)			
Temp. Control Accuracy	≤±0.1℃ (55℃ typical value)			
Temp. Fluctuation	≤±0.1℃			
Temp. Uniformity	≤±0.3℃			
Hot-lid Temp. Range	70~110℃ (Adjustable, Default 105℃, Automatic Hot-lid)			
Operation Mode	Three independent temperature control blocks, 0.1~6℃ Temperature difference between blocks.			
Temp. Control Mode	Continuous			
Feature Function	Absolute Quantification, Relative Quantification, SNP Analysis, Melting Curve Genotyping, Gradient, HRM, Multi-channel Crosstalk Correction, Background Correction, Automatic Gain, Customized Parameters.			
Operation System	Microsoft: Windows XP/windows vista/windows 7/windows 8			
PC Configuration	Surface Pro series, PC/Laptop			
Socket	RS232 adapter, USB adapter, Bluetooth adapter			
Power Supply	100-240V~ 50/60Hz 600W			
Dimension	384mm×353mm×348mm			
Weight	13kg			

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