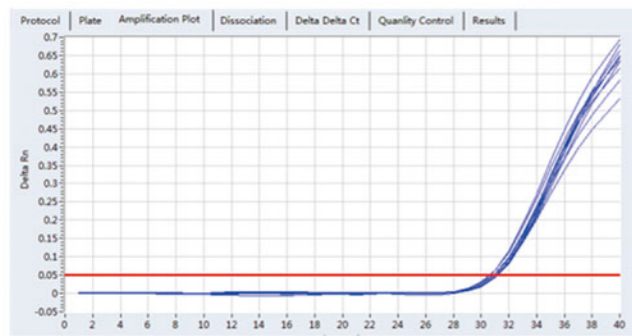
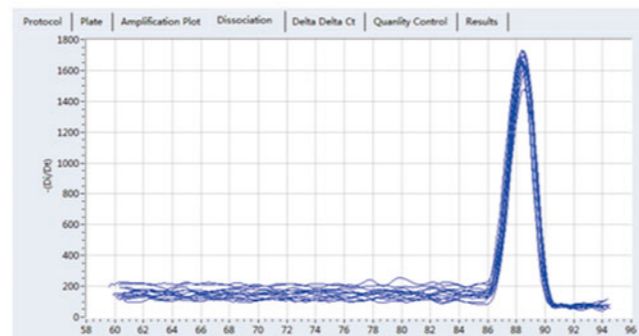


Software Platform:

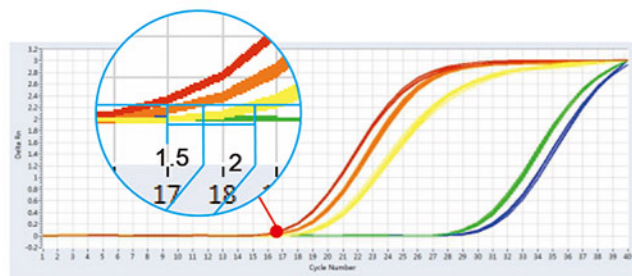
Real-time monitoring, automatic discrimination and calculation of positive and negative results, automatic establishment of standard curve, absolute/relative quantitative, multiple quantitative, fusion curve, gene mutation, quality control graphic analysis, fluorescence correction, PCR amplification efficiency, high-resolution fusion curve (optional match), etc.



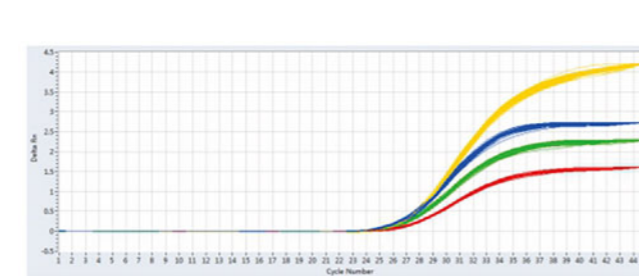
Weak positive repeatability verification



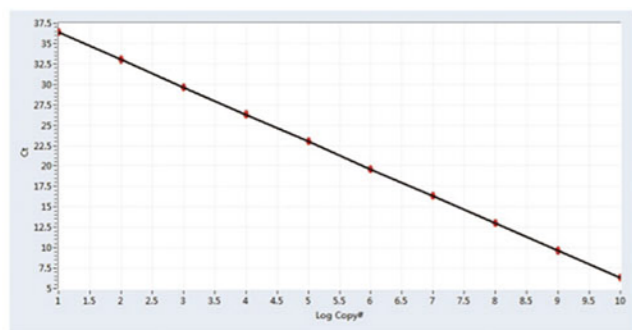
Melting curve validation



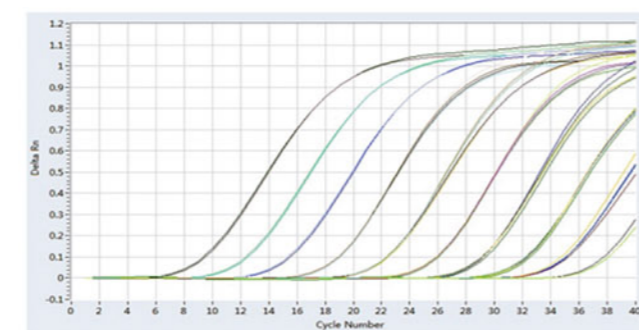
1.5- -fold and 2- -fold effective distinction result examples



Multichannel experimental curves (FAM, VIC, ROX, Cy5)



10 to 10¹⁰ Copy template validation



10 to 10¹⁰ Copy the gradient standard curve for verification

Technical Parameters:

Model	MA-6000				
Sample Capacity	96*0.2ml PCR plate, 12*8-strip tubes, 96*0.2ml single tube				
Reaction System	6~125µl				
Dynamics Range	1~10 ¹⁰ copies				
Channel	5				
Emission Light	Full-wavelength maintenance-free halogen tungsten lamp				
Detector	-20°C CCD				
Detection Path	F1	F2	F3	F4	F5
Suitable Probe/Dye	FAM/SYBR Green /Eva Green/LC Green /Fluorescein	VIC/HEX /TET/Cy3/JOE /Alex a555	ROX /Cy3.5 /Texas Red	Cy5 /LC Red640	Cy5.5 /LC Red705
Excitation Wavelength	380~780nm				
Detection Wavelength	380~780nm				
Fluorescence Detection Repeatability	CV≤3%				
Fluorescence Detection Precision	CV≤ 5%				
Sample Detection Repeatability	CV≤3%				
Fluorescence Detection Linearity	r≥0.980				
Confidence	It can effectively distinguish 5000 and 1000 copies with 99.8% confidence degree				
Module Temp. Range	4~100°C(resolution:0.1°C)				
Heating Speed	5.0°C/s(Max), 3.5°C/ s(Avg)				
Cooling Speed	5.0°C/s(Max), 3.2°C/ s(Avg)				
Temp. Accuracy	±0.1°C				
Temp. Uniformity	≤ ±0.25°C				
Number of Temp. Control Areas	6				
Gradient Temp. Range	1~32°C				
Hot-Lid Temp. Range	104°C, Automatic Hot-lid				
Special Function	Absolute quantification, Relative Quantification, Genotyping, Amplification efficiency calculation, Melting curve.				
Operation System	Windows 7 64-bit or higher				
Power Supply	100~240V,50~60Hz				
Dimension(L*W*H) mm	600*390*320				
Port Method	USB Port				
Packing Size(L*W*H) mm	850*600*650				
Gross Weight (kg)	51				