FEATURES

- 32*0.2ml, compatible with 8-tube strip and single tube
- Independent and intelligent temp. control over 2 zones
- 4-color fluorescence channels, applicable for most tests
- 8 inch high-definition capacitive touch screen, easy to operate
- Support multiple connections to one computer and LIMS/LIS system

VGT-3200Q

SPECIFICATIONS

Basic	Sample Capacity	32x0.2ml
	Applicable Consumables	0.2ml single tube, 8x0.2ml tube strip
	PCR Volume Range	15-120μL
	Working Temperature	15-30°C
	Storage Temperature	-20-55°C
	Ambient Relative Humidity	≤85%
	Dimensions and Weight	370*280*250mm (W*D*H), 9.7kg
	Power Supply	220 V, 50 Hz, 450VA
Temp. Control System	Heating/cooling Method	Peltier, independent and intelligent temp. control over 2 zones
	Temperature Range	4°C-100°C
	Ramp Rate	Heating: 5.2°C/S, Cooling: 5.2°C/S
	Temperature Accuracy	±0.1°C
	Temperature Uniformity	±0.2°C
Detection System	Excitation Source	LED
	Detection Device	PD
	Light Propagation Medium	Optical fibers for Space
	Detection Channels	4
	Excitation Range	1st Channel: 470nm±10nm 2nd Channel: 525nm±10nm 3rd Channel: 570nm±10nm 4th Channel: 628nm±10nm
	Detection Range	1st Channel: 520nm±10nm 2nd Channel: 570nm±10nm 3rd Channel: 628nm±10nm 4th Channel: 670nm±10nm
	Dye Compatibility (name)	FAM/SYBR Green/Eva Green/LC Green/Fluorescein; VIC/HEX/TET/Cy3/JOE; ROX/Cy3.5/Texas Red; Cy5 etc
	Detection Sensitivity	≥1 copy
	Confidence Coefficient	99.90%
	Sensitivity	Allowed 1.5-fold in single reaction
	Sample Detection Repeatability	CV≤1%
	Linear Range	$1\text{-}10^{10}$
	Sample Linearity	≥0.99
Software	Software Language	English
	Control Method	8 inch touch screen operation and data analysis, multiple connections, support LIMS/LIS system
	Software Function	Real-time monitoring, automatic identification and calculation of positive and negative results, automatic establishment of standard curve, absolute/relative quantification, multiple quantification, melting curve, gene mutation, Tm value determination, quality control graphic analysis , PCR amplification efficiency, etc.
	Output	EXCEL/WORD/PDF