

INTENSIVE AND STABLE signal output

EQUIVALENT performance to full scale PCR machine

PORTABLE real time PCR detection

EASY-TO-USE analysis software



16 single tubes & strip tubes



Customized TE module



Top scanning mode



Battery pack can be used as power supply



Applicable in diversified and highly complicated application environment

Applicable Areas



PASTURES



FORESTS



FARMS



WATER REASOURCES



DISASTER AREA



Related Agents

Foodborne Pathogenic Bacteria Detection Series	Animal Derived Detection Series	GM Food Detection Series
Salmonella DNA Real-time PCR kit	Horse/donkey Derived DNA Real-time PCR kit	GM Soybean Real-time PCR kit
E.Coli DNA Real-time PCR kit	Fox Derived DNA Real-time PCR kit	GM Corn Real-time PCR kit

Specification

Model	FQD-16A		
Sample Capacity	16 × 0.2ml tubes (flat and transparent cap) 2 × 8-tube strips (flat and transparent cap)		
Reaction Volume	10-100µl		
Temperature Control Mode	Tube mode		
Temperature Control Method	Peltier		
Temperature Range	0 - 100°C		
Maximum Heating/Cooling Rate	5°C/s		
Average Heating/Cooling Rate	3.5°C/s		
Temperature Resolution	0.1°C		
Temperature Uniformity	± 0.15°C		
Temperature Accuracy	± 0.1°C		
Hot Lid Temperature Range	85-110°C		
Excitation Wavelength Range	400 to 700nm		
Detection Wavelength Range	450 to 750nm		
Sensitivity	1 copy		
Dynamic Range	1-10 ¹⁰ Copies		
Factory Calibrated Dyes	BYQ 6618E	BYQ 6622E	BYQ 6623E
	F1 : FAM, SYBR Green I F3 : ROX	F1 : FAM, SYBR Green I F2 : VIC, HEX, TET, JOE TAMRA, CY3, NED	F1 : FAM, SYBR Green I F2 : VIC, HEX, TET, JOE, TAMRA, CY3, NED F3 : ROX F4 : CY5
Dimension	W 280 × D 220 × H 240		
Net Weight	6.5 kg		
Adapter Input Voltage	100 - 240V		
Adapter Input Frequency	50 - 60Hz		
Power	DC 24V 180 W, power adaptor needed		
Connection Options	USB port		
Safety Protection and Alarm	Block, hot lid and heat sink temperature sensors short-circuit, open-circuit alarm and protection Hot lid over temperature alarm and protection		
Environment Temperature Range	5-35°C		
Safety Certification	IVD, CE, MET, RoHS 2.0		
Warm-up Time	No		