



**Bioer
Technology**

LINEGENE **MINI**

INTENSIVE AND STABLE signal output

EQUIVALENT performance to full scale PCR machine

PORTABLE real time PCR detection

EASY-TO-USE analysis software

Premium Pink



Crystal Blue

 **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**



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▶ APPLICABLE AREAS

For easy handling and setting, it is suitable for field operation of pasture, forest farm, farm, water source and disaster area.



▶ PASTURES ◀



▶ FORESTS ◀



▶ FARMS ◀



▶ WATER REASOURCES ◀



▶ DISASTER AREA ◀

▶ RELATED REAGENTS

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 F1 : FAM, SYBR Green I F3 : ROX	BYQ 6622E F1 : FAM, SYBR Green I F2 : VIC, HEX, TET, JOE TAMRA, CY3, NED	BYQ 6623E 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		