



**Bioer
Technology**

Real-Time PCR Detection System

LineGene Mini S

NEW



Advanced scanning technology with excellent SNR



Cutting-edge detection technology with highly stable signals



Automatic gain function for accurate and reliable data



Exquisite and compact exterior with strong and durable structure



Touchscreen interface, easy to operate



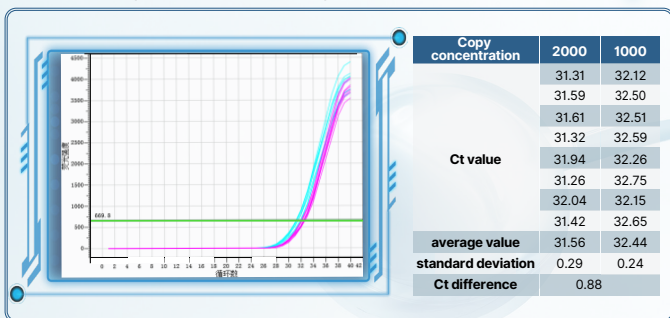
Complete function configuration and stable equipment performance

HANGZHOU BIOER TECHNOLOGY CO., LTD.



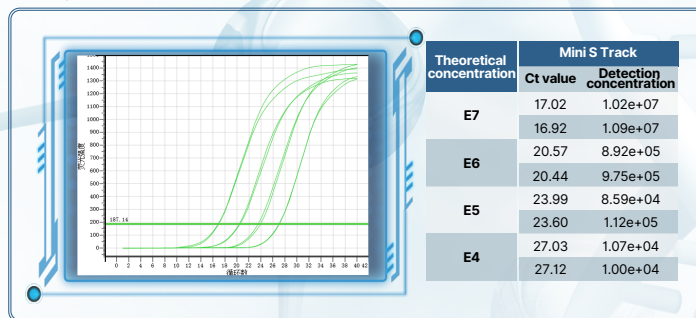
PRODUCT PERFORMANCE

Experiment 1: Experiment of Distinguishing Between 2000-Copy and 1000-Copy Concentrations.



- Experimental results show that the Ct difference is very close to the theoretical value of 1, demonstrating the accurate detection performance of LineGene MiniS and its ability to distinguish samples at different concentrations.

Experiment 2: HBV Standard Curve Performance Test Using 5 µL of Sample.



- Experimental results demonstrate excellent performance in concentration gradient detection and good curve-fitting performance.

PRODUCT SPECIFICATION

Product Name	LineGene MiniS Fluorescent Quantitative Detection System	
Product Model	FQD-16B (EA4)	FQD-16B (EA2)
Sample Capacity	16×0.2mL	
Detection Path	4 Detection Channels	2 Detection Channels
Fluorescence Dyes	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE, TAMRA, CY3 F3: ROX F4: CY5	F1: FAM, SYBR Green I F2: VIC, HEX, TET, JOE, TAMRA, CY3
Reaction System	5-100µL	
Dynamic Range	10 orders of magnitude	
Excitation Wavelength	400-700 nm	
Emission Wavelength	450-750 nm	
Temperature Range	4°C-105°C	
Touchscreen	7-inch	
Temperature Accuracy	≤±0.2°C	
Temperature Uniformity	≤ ±0.25°C	
Max Ramp Rate	5°C/s	
Temperature Control Mode	Block model, Tube model	
Hot-lid Temperature Range	30°C-110°C (adjustable)	
Special Functions	Qualitative/absolute quantitative, relative quantitative, SNP analysis, genotyping, standard curve, melting curve, allele identification, HRM, automatic gain, user defined parameters, etc	
Input Power	100-240V, 50/60Hz, 220VA	
Signal Interface	Ethernet Port (connected with PC)	
Dimension (mm)	364×210×180 (L×W×H)	
Net Weight	7Kg	

* Effect value tested in a standard lab environment