



**Bioer  
Technology**

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# Real-Time PCR Detection System

## LineGene Mini S

**NEW**



Advanced scanning technology with excellent SNR



Cutting-edge detection technology and most stable signal



Automatic gain function, accurate and reliable data



Exquisite and compact exterior with strong and durable structure



Touch operation interface, easy to operate



Complete function configuration and stable equipment performance

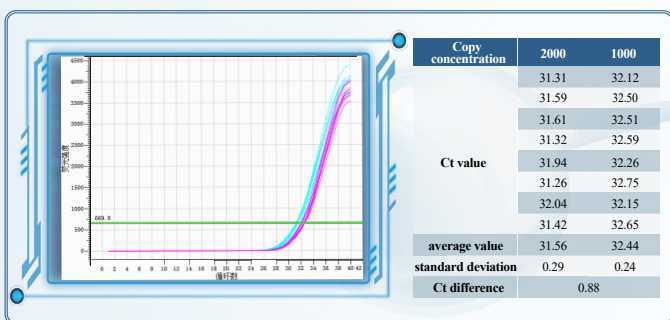


HANGZHOU BIOER TECHNOLOGY CO., LTD.

\* Due to bo Day technology products constantly updated, product color and final shape to the object.

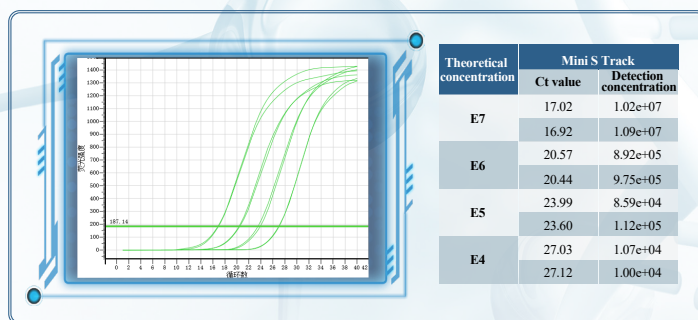
## PRODUCT PERFORMANCE

### Experiment 1: Experiment of distinguishing between 2000 copy concentration and 1000 copy concentration



- Experimental results show that the Ct difference is extremely close to the perfect theoretical value 1, LineGene Mini S has accurate detection performance, and can perfectly distinguish the detection data at different concentrations.

### Experiment 2: Standard curve performance test of HBV of 5μl.



- Experimental results show that LineGene Mini S has excellent concentration gradient detection performance and good curve fitting effect.

## PRODUCT SPECIFICATION

Product name	Fluorescence Quantitative PCR Detection System			
Product model	FQD-16B			
Sample capacity	16×0.2ml single tube (transparent tube)		0.2ml 8 strip tube (transparent tube)	
Reaction system	5-100μl			
Dynamics range	1-10 <sup>10</sup> Copies/L			
Excitation wavelength	400~700nm			
Fluorescence Emission wavelength	450~750nm			
Temperature range	0-100°C (Minimum increment : 0.1°C)			
Temperature accuracy	± 0.1°C			
Temperature display resolution	0.1°C			
Temperature control accuracy	± 0.1°C			
Temperature uniformity	≤ ± 0.25°C (95°C)			
Maximum temperature rate	5.0°C/s			
Temperature control mode	Block model、Tube model			
Hot-lid temperature range	30-110°C (adjustable)			
Detection path	F1	F2	F3	F4
Fluorescence dyes	FAM、SYBR GreenI...	VIC、HEX、TET、JOE、TAMRA、CY3、NED...	ROX、TEXAS-RED...	CY5、Quasar-670...
Special functions	Qualitative/absolute quantitative, relative quantitative, SNP analysis, fusion curve method genotyping, standard curve, fusion curve, allele identification, gradient, HRM, automatic gain, user defined parameters, etc			
Input power	100-240V, 50/60Hz, (A power adapter is required 180w/24V)			
Signal interface	Netport (connected with PC)			
Dimension(mm)	240×180×160 (L×W×H)			
Net weight	4Kg			
Safeguard and alarm	Support temperature sensor short circuit, open circuit and over-temperature protection and alarm			
Certification	CE, In line with the ROHS requirements			

\* Effect value tested in standard lab environment



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