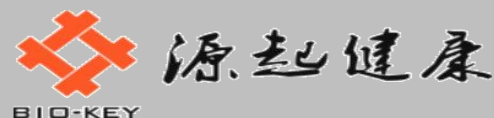


Micgene 244 IVD



<https://www.biokeyqpcr.com/>

FAEATURES:

- ✧ Optical all-in-one machine design, no calibration required
- ✧ The ingenious design of centrifugal rotor is characterized by strong amplification and stable performance
- ✧ Self-contained touch screen, intuitive and convenient to use, easy to operate
- ✧ Ultra-portability for testing anywhere, anytime, and real-time viewing of test results
- ✧ Support cloud service platform, realize automatic data transmission, remote access



	performances	parameters
Basic	Detection Capacities	≤ 24T
	PCR Volume Range	10-100ul
	Applicable Consumables	General PCR consumables
	Storage Temperature	15℃~30℃
	Specification/Weight	235*212*255 mm (L x W x H) / ≤5kg
	Power Supply	AC 100-240V, 50/60Hz
Temp Control System	Thermal Profile	Electromagnetic induction heating
	Temperature Range	35-99℃
	Temperature Control Accuracy	± 0.2℃
	Temperature Uniformity	± 0.25℃
	Maximum Temperature Change Rate	Heating rate>4℃/s , Cooling rate>3℃/s
Detection System	Excitation Light Source	Independent high-powerLED
	Light Source Lifespan	≥100000 hours
	Optical Detection	Photodiode
	Excitation Range	450-640nm
	Detection Range	500-700nm
	Sensitivity	Allowed 1.5-fold in single reaction
	Applicable Dyes/ Fluorescent Channels	FAM/SYBR Green 、VIC/HEX、ROX、CY5
	Fluorescence Linear	≥0.99
	Linear Range	10 ¹ -10 ⁸ copy
	Sample Linearity	≥0.98
	Detection Sensitivity	≥1 copy
	Sample Repeatability	CV≤ 5%
	Ct Consistency	The Ct standard deviation of the whole plate is less than 0.03 , and three sets of parallel replicates of the experiment can be realized to distinguish 20 % difference in concentration.
	line Time	40 cycles of quantitative PCR, rapid program reaction time of about 35min, routine program reaction time of about 50min
Software	Software Language	Chinese/English
	Control Mode	Self-contained control screen; can be operated stand-alone or through a computer to control the equipment
	Software Function	Automatic calculation and judgment of negative and positive results, automatic establishment of standard curves, melting curves, multiple quantification, etc
	Output	EXCEL/PDF
	Medical Device Registration	National machinery registration standard: 20223221751
	Qualifications	FDA/CE/NMPA/ISO13485/ISO9001