

MBI Gene-8C / Gene-8C2 Isothermal Fluorescence PCR



MBI Gene-8 PCR / MBI Gene-8 PCR 2

MBI Gene-8 PCR / MBI Gene-8 PCR 2 is an Isothermal fluorescence PCR instrument, it is a compact, lightweight, low cost, stand alone, sensitive instrument suitable for field based and point of care diagnostic applications.

The MBI Gene-8 PCR is a portable instruments that provides measurement of one fluorophore, and the MBI MBI Gene-8 PCR 2 provide measurement of two fluorophores.

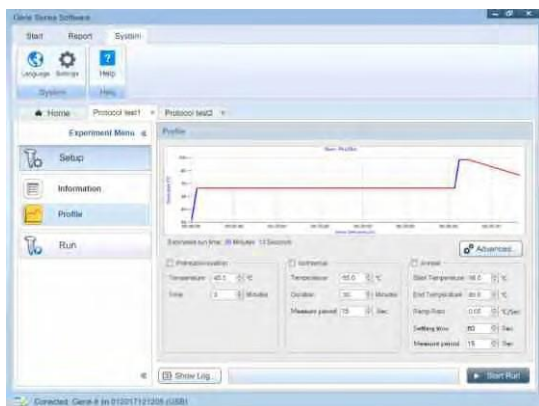
We designed these to run any isothermal amplification method that employs target detection by fluorescence measurement. The MBI Gene-8 PCR / MBI Gene-8 PCR 2 boast low power requirements and includes a rechargeable Lithium-polymer battery that can keep it running for 2-5 hours

MBI Gene-8 PCR / MBI Gene-8 PCR 2 have a 7inch touch screen. Real-time temperature and fluorescence data are displayed graphically and in real-time during a run and all of the data are held in the instrument's large internal Flash memory. These data are permanently stored and can be reviewed at any time after the run has finished or uploaded to a PC or an android mobile via USB link or WIFI

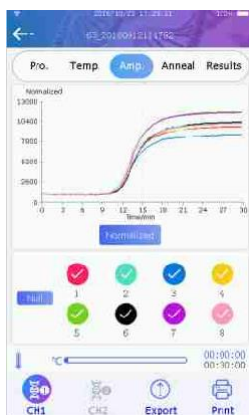
Features

1. Small footprint, low-cost and easy to use, suitable for bench top and field applications
2. Purpose-designed sophisticated instruments that support any isothermal DNA/RNA amplification method employing fluorescence readout
3. 7 inch touchscreen, and offers stand-alone operation, it no need for a host computer
4. Support eight standard 0.2ml tubes
5. One channel or two channel fluorescence detection per tube
6. Easy to use advanced desktop software and APP software (Android mobile) for the test configuration management and export
7. Testing temperature range: RT. to 99°C
8. PC software, APP software and built-in software for powerful and validated data analysis and review
9. Easy access to data via USB interface and WIFI
10. Use independently via touch screen, link to computer via a USB cable or link to android mobile via WIFI
11. To link printer via USB cable and print the text data and results which you require
12. Mains or battery-powered

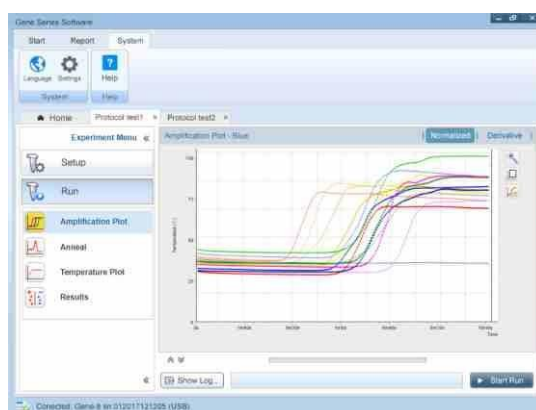
Software



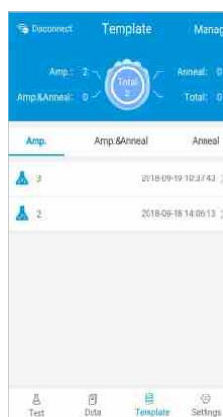
PC software interface



Built-in software



Android mobile's APP software



Allow molecular detection to be portable, sensitive, fast

1. The software are simple to use
2. Fully automated interpretation of results
3. PC and APP software also included
4. Suitable for use with any isothermal amplification protocol
5. Observe real-time data from isothermal amplification reactions
6. Monitor all dyes with excitation at 470nm and detection above 520nm
7. Application: LAMP, CPA, RPA, RAA, RCA , SDA etc.
Isothermal amplification

Ordering information

Code	Description
MBIZR-20010-00	MBI Gene-8 PCR Isothermal Fluorescence PCR
MBIZR-20020-00	MBI Gene-8 PCR 2 Isothermal Fluorescence PCR
MBIZR-20011-01	Charger for MBI Gene-8 PCR

Specification

Type	MBI Gene-8 PCR	MBI Gene-8 PCR 2
Sample Number	8 wells (1x8 strip)	8 wells (1x8 strip)
Sample Volume	15ul-150ul	15ul-150ul
Touchscreen	7 inch	7 inch
Temperature control range	ambient - 99	ambient - 99
Temperature accuracy	±0.1	±0.1
Temperature uniformity	±0.15	±0.15
Heating speed	2 /s	2 /s
Cooling speed	2 /s	2 /s
Channels	one	two
Optics source	F1: 470nm	F1: 470nm F2: 590nm
Detection	F1: 525nm	F1: 525nm F2:630nm
Power Adapter	DC15V 8A	DC15V 8A
Dimensions (WxDxH) mm	145x305x100mm	145x305x100mm
Weight	1.9kg	1.9kg