

LABGENE-8C / LABGENE-8C2 Isothermal Fluorescence PCR



LABGENE-8C/LABGENE-8C2

LABGENE -8C/LABGENE -8C2 is an Isothermal fluorescence PCR instrument, compact, lightweight, low cost, stand alone, sensitive, suitable for field based and point of care diagnostic applications.

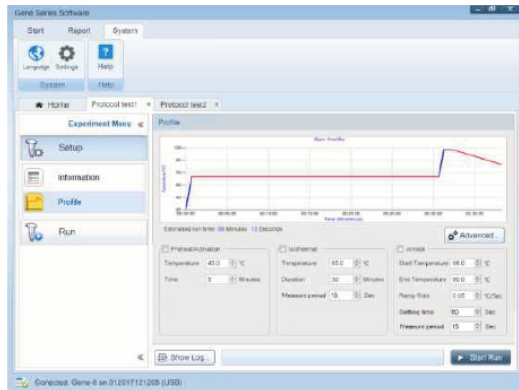
LABGENE -8C/LABGENE -8C2 is a portable instrument that provides measurement of one fluorophore /two fluorophores, respectively. Both models have been designed to run any isothermal amplification method that employs target detection by fluorescence measurement like LAMP (Loop-mediated isothermal amplification). They have low power requirements and include a rechargeable lithium-polymer battery that can keep the system running for up to 5 hours.

LABGENE -8C/LABGENE -8C2 features a 7 inch touch screen. Real-time temperature and fluorescence data are displayed graphically during a run and the data is stored in the instrument's large internal flash memory. Data can be reviewed at any time after the run has finished, it can also be uploaded to a PC or an Android mobile via USB link or WI-FI.

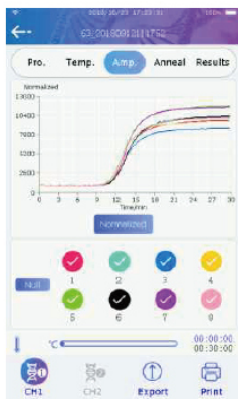
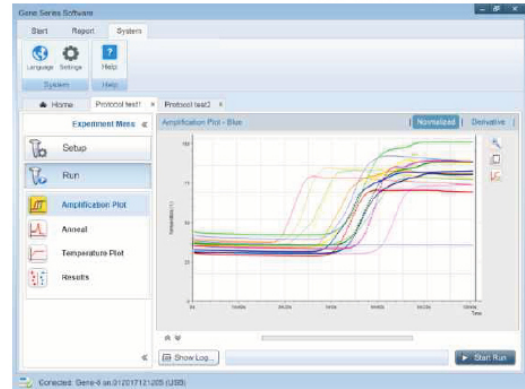
Features

- Small footprint, low-cost and easy to use, suitable for bench top and field applications
- Purpose-designed sophisticated instrument that supports any isothermal DNA /RNA amplification method employing fluorescence readout
- 7 inch touch screen, stand-alone operation
- Supports up to eight standard 0.2 ml tubes
- Choose between one channel or two channel fluorescence detection systems
- Easy to use advanced desktop software or mobile application (Android mobile) for system management and export
- Testing temperature range RT to 99°C
- PC software, mobile application and built-in software for powerful data analysis and review
- Easy data access via USB interface or WI-FI
- A printer can be connected via USB cable

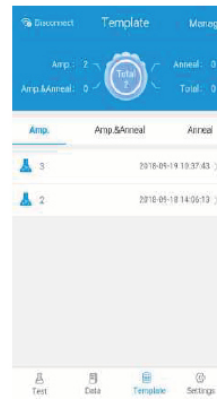
Software



PC software interface



Built-in software



Android mobile's APP software

For portable, sensitive, fast molecular detection

- Easy to use software
- Fully automated results interpretation
- PC and mobile application softwares included
- Suitable for any isothermal amplification protocol
- Read results in real-time
- Monitor all green emitting dyes (LABGENE-8C) / green-yellow emitting dyes (LABGENE-8C2)
- Gives access to many applications like LAMP, CPA, RPA, RAA, RCA, SDA etc.

Specification

	LabGene-8C	LabGene-8C2
Type	LabGene-8C	LabGene-8C2
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

