



Genie[®] III

ISOTHERMAL DNA / RNA AMPLIFICATION PLATFORM

Genie[®] III was added to the product range of OptiGene at the beginning of 2014. It is a compact and portable instrument that supports any isothermal DNA / RNA amplification method. The key operational attributes are precise thermal control supported by highly-sensitive fluorescence measurements made in real-time. This instrument was designed with testing at point-of-application in mind. It is small and light and the enclosure is sealed to IP62 for use in demanding environments. Genie[®] III accepts a single 8-microtube strip and is also operated from a touchscreen panel. This instrument includes dual channel fluorescence measurement to allow support of internal controls and multiplexed assays. It also features positional information through GPS and offers wireless connectivity in the form of Bluetooth and WiFi. Genie[®] III has an internal rechargeable battery, allowing operation for a full day without the requirement for mains electricity. Genie[®] III can host peripheral devices such as printers or barcode readers plugged in to the USB socket or connected wirelessly via Bluetooth.

- Isothermal DNA amplification with precise temperature control
- Isothermal amplification at point-of-application
- Sealed enclosure (IP62)
- Dual-channel fluorescence excitation and measurement in real-time
- Single block – up to 8 samples



- Ultra compact: 165 mm(W) x 250 mm(D) x 85 mm(H) [6½" x 10" x 3 ½"]
- Lightweight: 1.75 kg [4 lb]
- Low power consumption from 19 VDC input
- Internal long-lasting and fast-charging Li-Po battery
- Stand-alone operation via 4.3" resistive touchscreen
- Wireless communications (Bluetooth) & network connection (WiFi)
- Positional information via GPS
- Internal data storage and PC connectivity
- Support for peripheral devices via USB or Bluetooth

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