



Real-time analysis through dedicated software, GeneRecorder

# **GETIECHECYER**°

## Model UF-150 Ultra-Fast Real-time PCR System

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Fast and easy qPCR platform that benefits your application

New sample format and state-of-the-art hardware technology makes the difference.

**GETE CHARVET** adopted special polymer chip (**Rapl:chip**\*\*) which enables even faster thermal treatment of samples in it than the case of using PCR tubes for conventional PCR instruments. 8°C/sec ramping rate can be achieved, for both heating and cooling, through the thermal cycling mechanism of **GETE CHARVET**.

Innovative detection mechanism ensures reliable results of anlaysis.

Integrated camera module of **GENE MEN** fully monitors and records the fluorescence signal of samples during reaction process and the recorded signals are processed and displayed within **GeneRecorder** software for analysis. **GENE MEN** provides precise result of reaction with unique data processing method, compared to the conventional instruments in the market, which collects the fluorescence signal with optical scanning method. **GENE CHECKET** software adopted key analysis parameters which are similar to conventional instruments in the market and any users can easily make use of this intuitive analysis tool. **GENE CHECKET** comes with **GeneRecorder** software and its license. Every units are individually calibrated before shipping and no user's calibration is needed to run the instrument.

Small footprint (20cm x 20cm x 12.5cm) for laboratory and POCT use

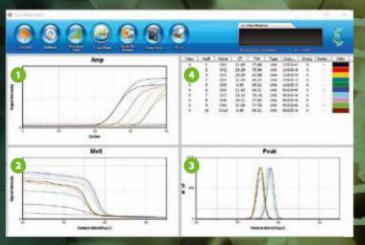
DC power driven – battery operation possible using optional power kit

Intuitive control with LED indicated jog-dial and LCD display

One-step reverse transcriptase PCR available for RNA applications

### This could be your point-of-care molecular diagnostics platform.

applied to point-of-care molecular diagnostics using its it ultra-fast reaction capability and easy-to-use interface for analysis. Aside from standard platform, Genesystem offers OEM manufacturing service in order to customize the design and performance tailored to the requirements of its clients in molecular diagnostics industry.



Analysis process becomes more than 'simple' with GeneRecorder.

#### SPECIFICATION

Operating Mechanism Precise Control of Peltier Element

Temperature Accuracy ± 0.5°C

Temperature Uniformity ± 0.5°C (Well to Well)

Temperature Stability ± 0.5°C
Ramping Rate ± 0.0°C / second

Range of Temperature Setting 35 ~ 65°C (1,0°C Increment) for RT Step 20 ~ 99°C (1,0°C Increment) for PCR

Sample Format Polymer Based 3-Dimensional Microfluidic Chip

Number of Samples per Run 10

Reaction Volume 10pd

Typical PCR Duration Less than 20 Minutes for 40 Cycles (without RT Step)

Method of Detection Analysis of Digitized Fluorescence Signal

Display Text LCD (4 Line)

Integrated Memory Saves up to 12 PCR Protocols
Type of Excitation High Brightness LED

Excitation Wavelength 465nm ± 10nm
Number of Detection Channel 1 (FAM, SYBR Green)

Method of Fluorescence Measurement Integrated Camera Module (CMOS)
PC Connection USB 2.0 A to B (PC to Device

Only available through GeneRecorder)

Power (Wattage) AC 110-230V (50-60Hz) Input / DC 12V Output (70 W)

Dimension / Weight 200(w) x 200(d) x 125(h) mm / 3.2kg

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Real-time amplification curves are displayed in this section.



As a tool of post-reaction analysis, melt cycle is performed and the change of fluorescence signal during melt cycle is displayed in this section once melt cycle is finished.



Based on the result of melt cycle, melt peak is displayed for easy identification and comparison of Tm values.



This section shows the reaction data such as Ct and Tm. In case of quantitation, copy numbers are also displayed.

#### **ORDERING INFORMATION**

Cat. No.	Description / Pack Size
001151	Model UF-150 GENECHECLER Ultra-Fast Real-time PCR System / 1 SET
003001	Car Power Kit / 1 SET
003002	Battery Power Kit / 11 SET



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