

Ultra- Sensitive Quantification for DNA,
RNA & Protein Analysis

GENAXY[®]

FLUOROMETER

Higher sensitivity



**GENAXY
Fluorometer**

CONTACT US

www.genaxy.com

GENAXY Range of PCR Cabinets

The GENAXY Fluorometer (Fluo-100 Series) is a compact, high-performance instrument designed to measure fluorescence intensity generated by fluorescent reagents bound to target molecules. With exceptional sensitivity down to 0.5 pg/ μ l, the fluorometer delivers highly accurate quantification of DNA, RNA, and proteins, even at extremely low concentrations.

This makes it an indispensable tool for advanced molecular biology workflows where precision and reliability are critical.

Key Applications

- Quantification of low concentration DNA, RNA, and proteins
- Analysis of scarce or difficult to process samples
- Sample preparation for high value experiments such as:
 - qPCR & PCR cloning
 - Transfection studies
 - Next generation sequencing (NGS)
 - Advanced molecular diagnostics

Why Fluorometric Measurement?

Compared to conventional spectrophotometric methods, fluorometric detection offers: - Higher sensitivity for trace level samples - Greater accuracy at low concentrations - Reduced interference from contaminants.

The GENAXY Fluorometer ensures confidence in downstream applications by delivering precise and reproducible results.



Key Features:

Simple & Intuitive Operation

4.3 inch touch screen interface for easy navigation and operation

Fast Measurement

Accurate DNA, RNA, or protein measurement within 3 seconds

Ultra High Sensitivity

Lowest DNA detection limit of 0.5 pg/ μ l

Dual Optical Channels

Enables nucleic acid and protein quantitation in a single instrument.

Wide Linear Dynamic Range

Five orders of magnitude with excellent linearity ($R > 0.995$)

Open Reagent System

Compatible with a wide range of commercially available reagents

Data Storage & Transfer

Stores up to 1,000 results with USB data export

Technical Specifications – Fluo 100 Series

Parameter	Specification
Light Source	LED
Detector	Photodiode
Sensitivity	dsDNA: 0.5 ng/ml
Dynamic Range	Five orders of magnitude
Linear Dynamic Range	$R > 0.995$
Repeatability	$< 1.5\%$
Measurement Speed	3 seconds per reading
Display	4.3"inch touch screen
Dimensions (W × D × H)	194 × 155 × 72.5 mm
Weight	0.4 kg

Ordering Information:

Model No.	Description	Excitation Filter	Emission Filter
GEN-Fluo-100A	UV	365 ± 20 nm	420–480 nm (60 nm)
	Blue	460 ± 20 nm	420–480 nm (60 nm)
GEN-Fluo-100B	Blue	460 ± 20 nm	525–570 nm (45 nm)
	Red	625 ± 10 nm	670–725 nm (55 nm)
GEN-Fluo-100C	Blue	460 ± 20 nm	525–570 nm (45 nm)
	Green	525 ± 20 nm	575–640 nm (65 nm)

Accessories:

Code	Description
AS-18011-01	Adapter for 0.5 ml qPCR tube (Standard)
AS-18011-02	Adapter for 0.2 ml qPCR tube (Optional)



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Customer Satisfaction Through Business Ethics

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