



**Bioer
Technology**



Homepage:
www.bioer.com

Nucleic Acid and Protein Quantification

QuantFlex Fluorometer

Powerful, Highly Sensitive, Eight-Tube Fluorometer



Accuracy and Speed

Accurately quantifies DNA, RNA, or protein in less than 5 seconds.

User-Friendly Interface

Intuitive software and pre-set experimental template facilitate ease of operation and data analysis.

Wide Scalability

Integrates with automated pipetting workstations for diverse experimental applications.

High Throughput Detection

8-sample capacity for rapid and efficient multi-sample analysis.

QuantFlex Fluorometer

Our QuantFlex Fluorometer is a specialized device for measuring DNA, RNA, and proteins rely on specific fluorescent dyes that selectively bind to these biomolecules.

It operates by exciting fluorescent dyes or fluorophores bound to these molecules with a specific wavelength of light, and then detecting the emitted fluorescence at a longer wavelength. The intensity of the emitted light is proportional to the concentration of the target molecule, allowing for precise quantification. This high sensitivity and specificity make our fluorescence quantification instrument an essential tool for various applications, including next-generation sequencing, gene expression analysis, and the detection of low-abundance biomolecules in complex samples.

Software Interface



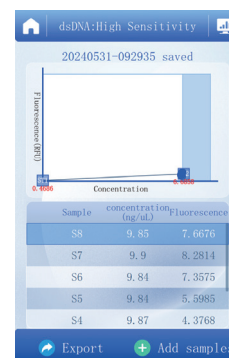
Stand-Alone: 8-inch touch screen display, no additional laptop or PC needed.



Built-in Programs: Allows customers to quickly start experiments.



Wide Dynamic Range: Different colors for different concentration ranges.



Software Intelligence: Automatically generates standard curves and directly outputs concentration of unknown samples.

Specification

Product Name	QuantFlex Fluorometer
Product Model	QuantFlex 800
Throughput	1-8 samples less than 5 sec
User Interface	8-Inch color touchscreen
Loading Volume	1-20μL
Light Sources	Blue LED (465nm-485nm), Red LED (620nm-630nm)
Excitation Filters	Blue LED: 460nm-480nm, Red LED: 620nm-640nm
Emission Filters	Green LED: 513nm-560nm, Red LED: 670nm-690nm
Sensitivity	<1pg/ul (dsDNA HS)
Dynamic Range	4 orders of magnitude
Linear	$R^2 \geq 0.995$
Tube Type	0.2 mL 8-strip thin-wall tubes
Data Storage	20000 samples
Data Export	USB drive/ Direct to computer
File Format	CSV
Power Supply	24V, 3.75A
Dimension	295mm×176mm×85mm
Weight	2KG



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