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.

Complete Optimized System

Seamlessly integrated with QuantFlex reagents to deliver reliable, sensitive, and specific results.

High-Throughput Detection

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

CE IVD EMC LVD

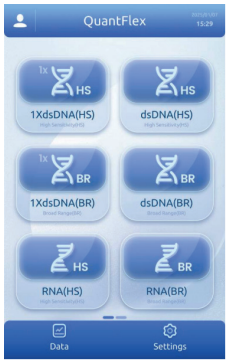
QuantFlex Fluorometer

Our QuantFlex Fluorometer is a specialized device for measuring DNA, RNA, and proteins based 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.

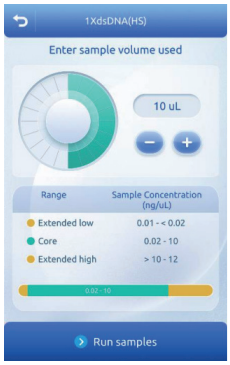
Software Interface



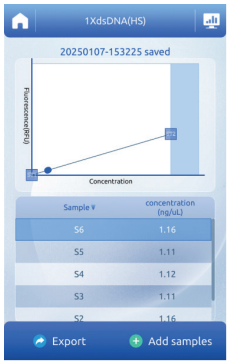
Standalone: 8-inch touch screen display, no additional laptop or PC needed.



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
Detection Time	Less than 5 seconds (1-8 samples)
User Interface	8-Inch color touchscreen
Sample Volume	1-20μL
Detector	Photodiode
Light Sources	Blue LED (465nm-485nm), Red LED (620nm-630nm)
Excitation Filters	Blue：460nm-480nm, Red：620nm-640nm
Emission Filters	Green: 513nm-560nm, Red: 670nm-690nm
Sensitivity	＜1pg/μL (dsDNA HS)
Calibration Type	2-or 3-point standard
Dynamic Range	4 orders of magnitude
Linear	R^2 ≥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
Input Power	24Vdc, 90W
External interface	3 USB (Two USB 2.0 ports and one USB 3.0 port.), 1 LAN Ethernet
Dimension	295mm (L)×176mm (W)×88mm (H)
Weight	1.8Kg

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