



Fluorometer



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Fluorometer

DS-FM201



Product Overview

The fluorometer is a small, portable fluorescence quantitative detector used for high-precision fluorescent nucleic acid quantitative determination of DNA, RNA, micro-RNA and protein concentrations. It has two channels and can quickly analyze two fluorescent signals of one sample.

Product Features

5-inch color touch screen with android system, friendly user interface. Quickly and accurately quantify DNA, RNA and proteins in 3 seconds. High sensitivity, the lowest detection limit can reach 0.5pg/pl.

With dual-color fluorescence channels for quantification of nucleic acids and proteins, measuring two different fluorescence in one analysis.

Compatible with common reagents on the market.

Can store more than 100,000 sample results and output data through USB port. High quantitative measurement accuracy can be achieved with only 1~20µl sample. Support multiple operating languages.

5 orders of magnitude linear dynamic range.

Model	DS-FM-201
Sample Throughput	1
Sample Tube	0.5 ml PCR tube (thin-walled tube)
Display	5-inch color touch screen
Data Output	USB/WIFI
Light Source	Blue 460/650nm
Excitation Filter	Blue 460~480nm Red 630~650nm
Emission Filter	Green 500~535nm Red 670~710nm
Sample Volume	1~20µl
Processing Speed	3s
Dimension	L200 x W100 x H54 mm
Weight	0.43 kg
Power Supply	100~240V; 50/60Hz

Excitation wavelength	Common Fluorescent reagents	Application
470nm	Pico green oligreen Ribogreen Gfp,protein fluorescein quant-it	Ds DNA ss DNA quantification green fluorescent protein GFP Detection prorenin quantification
525nm (optical)	Rhodamine Cy3 RFP Vybrant Cytotoxicity	Rhodamine detection Cy-3 fluorescent labeling/red fluorescent protein RFP gene detection RNA quantification
650nm	Cy5 quant-it RNA	Cy5 fluorescent labeling detection RNA quantification