

# 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 1~20ul sample
- Support multiple operating languages
- 5 orders of magnitude linear dynamic range

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## DS-FM201

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 460650nm
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