



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 1~20gl 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 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 gane detection RNA quantification |
| 650nm | Cy5 quant-it RNA | Cy5 fluorescent labeling detection RNA quantification |