

# FLUOROMETER



## BI-FLURO-20 FLUOROMETER

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

### 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/ $\mu$ l;
- With dual-color fluorescence channels for quantification of nucleic acids and proteins, measuring two different fluorescences 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;
- 5 orders of magnitude linear dynamic range.



## TECHNICAL PARAMETERS

| Model              | BI-FLURO-20                        |
|--------------------|------------------------------------|
| Sample throughput  | 1                                  |
| Sample tube        | 0.5 ml PCR tube (thin-walled tube) |
| Display            | 5-inch color touch screen          |
| Data output        | USB                                |
| Light source       | LED light emitting diode           |
| Excitation filter  | Blue 455~485nm Red 609~639nm       |
| Emission filter    | Green 505~545nm Red 680~708nm      |
| Sample volume      | 1~20µl                             |
| Processing speed   | 3s                                 |
| Calibration method | 2 point calibrotion                |
| Dimension          | L200xW100xH54mm                    |
| Weight             | 0.43kg                             |
| Power supply       | 100~240V;50/60Hz                   |

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