

Fluorometer Series

Fluorometer-300

Features

- Dual-channel—Two fluorophores can be detected in one channel.
- A Variety of Optical Channels
Optional—Optional UV, red, green, blue light channels.
- Open System—In addition to the standard reagents, it can also match self-prepared reagents.
- Simple & Intuitive—After the parameters are set, the box cover can be directly detected.
- Fast Detection—Fast and accurate detection of DNA, RNA and protein within 3 seconds.
- Touch Screen Operation—Simple and easy to use interface.

Application

- 1. The sample is scarce and difficult in processing.
- 2. The low quantity of DNA, RNA, or proteins after extraction.
- 3. The sample will be used in the expensive experiments: qPCR, PCR cloning, transfection, the next generation sequencing and etc.

Description

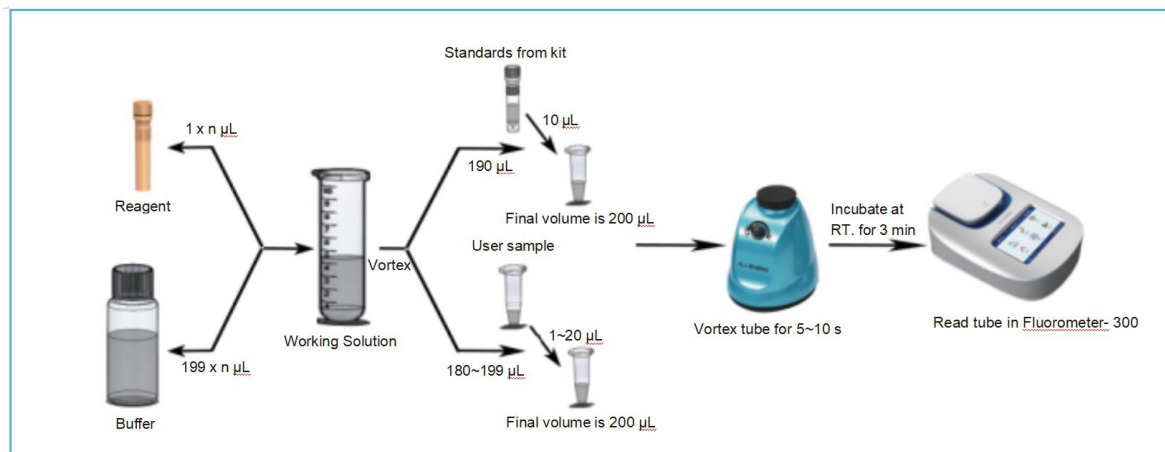
Fluorometer-300 fluorometer detects the concentration of target molecules by detecting the fluorescence intensity of the fluorescent dye combined with the target molecules, and the results are more accurate. 3 models, optional 0.5mL or 0.2mL centrifuge tube adapter, open reagent, for quantification of DNA, RNA and protein concentration.

Due to the high sensitivity of fluorescence, the instrument kit can be used to detect dsDNA samples as low as 0.5 pg/μL. Therefore, using Fluorometer-300 and supporting analysis kits, the concentration of samples—DNA, RNA or protein, can be accurately and quickly detected, avoiding duplication of work caused by inaccurate measurements.

Model	Feature
Fluorometer-300	optional 0.5mL or 0.2mL centrifuge tube adapter for quantification of DNA, RNA and protein concentration.



Fluorometer-300 Quantitation Kit Operation



Two Detection Modes of Fluorometer-300

Model	Light	Excitation wavelength	Emission wavelength
Fluorometer-300A	UV	365±20 nm	420-480 nm (60 nm)
	Blue	460±20 nm	525-570 nm (45 nm)
Fluorometer-300B	Blue	460±20 nm	525-570 nm (45 nm)
	Red	625±20 nm	670-725 nm (55 nm)
Fluorometer-300C	Blue	460±20 nm	525-570 nm (45 nm)
	Green	525±20 nm	575-640 nm (65 nm)

Ordering Information

Code	Description
AT-18010-00	Fluo-100A fluorometer, DC 12 V 1 A
AT-18020-00	Fluo-100B fluorometer, DC 12 V 1 A
AT-18030-00	Fluo-100C fluorometer, DC 12 V 1 A
AT-18011-01	Adapter for 0.5 mL qPCR tube (standard)
AT-18011-02	Adapter for 0.2 mL qPCR tube (optional)

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Code	Description
RS-FL 0101-S	Optosky® high sensitivity dsDNA quantification kit (100 assays)
RS-FL 0101-M	Optosky® high sensitivity dsDNA quantification kit (200 assays)
RS-FL 0101-L	Optosky® high sensitivity dsDNA quantification kit (1000 assays)
RS-FL 0102-S	Optosky® broad range dsDNA quantification kit (100 assays)
RS-FL 0102-M	Optosky® broad range dsDNA quantification kit (200 assays)
RS-FL 0102-L	Optosky® broad range dsDNA quantification kit (1000 assays)
RS-FL 0103-S	Optosky® high sensitivity ssDNA quantification kit (100 assays)
RS-FL 0103-M	Optosky® high sensitivity ssDNA quantification kit (200 assays)
RS-FL 0103-L	Optosky® high sensitivity ssDNA quantification kit (1000 assays)