BioLAB

PRODUCT CATALOG

FLUOROMETER

CE ISO9001 CERTIFIED

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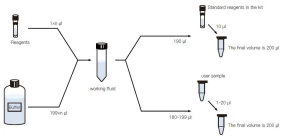
FLUOROMETER BFA1E1

DUAL CHANNEL FLUOROMETER

Fluorescence immunoassay technology has the advantages of strong specificity, high sensitivity, and good practicability, so it is used to measure low-content biologically active compounds, such as proteins (enzymes, receptors, antibodies), nucleic acids, hormones (steroid compounds, thyroid hormone, phthalein hormone), drugs and microorganisms, etc.

Fluorescence detection reagent ratio chart



Adopting 5-inch touch high-definition screen, exquisite display screen, user-friendly operation.
Quickly and accurately read the results within 5 seconds, can be used to quantify DNA, RNA and proteins.
For accurate detection of DNA samples with initial concentrations from 0.005 to 120ng/μL (depending on sample volume), with a detection range of 0.1-120ng.
Using two fluorescence channels, two different fluorescences can be measured individually or simultaneously
5 orders of magnitude response range
It is suitable for nucleic acid or protein samples that are difficult to measure with ordinary photometers, and can be used in precision measurement experiments such as qPCR, PCR cloning, transfection, and new generation sequencing.

SPECIFICATIONS

Model	BFA1E1
Old Model	BSFL-104
Light source	Blue LED: Peak~470nmRed LED: Peak~635nm
Excitation filter	Blue LED: 430~495nmRed LED: 604~644nm
Emission filter	Green: 510~580nmRed: 672~712nm
Detector	Photodiode: detection capability of 300~1000nm
Flux	Two
Calibration type	2 or 3 point standard sample
Sample tube type	0.5mL PCR tube
Linearity	$R^2 \geq 0.995$
Repeatability	≤1.5%
Stability	≤1.5%
Detection time	≤2s/sample
Detection limit	10000 programs
Sensitivity	0.1pg
Input power	DC 9V 1.5A
Power Adapter	AC 100~240V, 50/60Hz DC 8V 1.5A
External interface	USB (Type A) x 2, USB (Type B) x 1, LAN x 1
Dimensions(WxDxH)	194mm x 155mm x 73mm
Net weight(kg)	0.9kg
Alt Name	Dual channel fluorometer

FEATURES

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Using two fluorescence channels, two different fluorescences can be measured individually or simultaneously
5 orders of magnitude response range
It is suitable for nucleic acid or protein samples that are difficult to measure with ordinary photometers, and can be used in precision measurement experiments such as qPCR, PCR cloning, transfection, and new generation sequencing.
Compatible with common nucleic acid protein quantification kits on the market.

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