



DUAL CHANNEL FLUOROMETER BSFL-104

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Biolab Fluorescence spectrophotometers incorporate excellent wavelength accuracy and highly reliable optical performance to give highest sensitivity, reproducibility and accuracy. Xenon lamp minimizes photobleaching of samples thus maintaining sample integrity and produces high signal to noise ratio to give unmatched performance even with trace samples. Ergonomic with a longer lamp life, it gives more quality for your money.

BSFL-104 DUAL CHANNEL FLUOROMETER



Adopting 5-inch touch high-definition screen, exquisite display screen, user-friendly operation

Quickly and accurately read the results within about 3 seconds, can be used to quantify DNA, RNA and proteins

The minimum detection limit can reach 0.005 ng/uL (dsDNA)

Using two fluorescence channels, red and blue light can be detected separately 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

SPECIFICATIONS

Model	BSFL-104
Light source	Blue Peak ~ 470 nm Red Peak ~ 635 nm
Excitation filter	Blue : 430-495 nm Red : 604-644 nm
Emission filter	Green : 510-580 nm Red : 672-712 nm
Detector Photodiode	Measurement capability 300 ~ 1000 nm
Flux	2
Calibration Type	1 or 3 point standards
Sample tube type	0.5 mL PCR tube
Linearity	$R^2 \geq 0.995$
Repeatability	$\leq 1.5\%$
Stability	$\leq 1.5\%$
Detection limit	0.005 ng/uL (dsDNA HS)
Sensitivity	0.1 pg
Detection time	≤ 3 seconds/sample
Data storage capacity	10000 programs
External interface	USB (Type A) x 2 USB (Type B) x 1 LAN x 1
Dimensions(W x D x H)	194 mm x 155 mm x 73 mm
Net weight (kg)	0.9 kg
Power Supply	AC 100 ~ 240 V, 50/60 Hz DC 9 V 1.5 A



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