



*personal*  
**DETECTION**

Now, you can optimize your personal workflow. Promega instruments and reagents integrate easily.

# QuantiFluor™

Compact, easy to use, and cost-effective single tube fluorometers for Life Science applications.



# INSTRUMENT FEATURES

## QUANTIFLUOR™-ST FLUOROMETER

### QUANTIFLUOR™-ST FLUOROMETER

The QuantiFluor™-ST is an affordable, sensitive fluorometer designed for quick, easy, and accurate fluorescence measurements. The QuantiFluor™-ST provides high sensitivity for fluorescence measurements and is so easy to use that you can have results within minutes. Single-point calibration saves time and the dual-channel design allows you to switch between two assays with the touch of a button.

### UNIVERSAL POWER

The QuantiFluor™-ST is powered using a universal power adapter (included).

### SMALL AND SENSIBLY PRICED

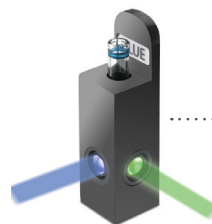
The QuantiFluor™-ST is smaller than a standard sized book, saving you valuable bench space. It is sensibly priced to meet your need for accurate fluorescence measurements within a limited budget.

### SIMPLE

The QuantiFluor™-ST is designed for fast, accurate fluorescence measurements. It is so easy to use that you can have results within minutes without training.

### DUAL CHANNEL

Dual UV and Blue Channels allow you to switch between two assays by pressing one button.



### MINICELL ADAPTER

The optional Minicell Adapter with two focusing lenses allows you to measure samples in low assay volumes without losing sensitivity. When used with this Minicell Adapter, the QuantiFluor™-ST can detect 50 pg of dsDNA in a 50 µL assay volume.

### CALIBRATION

Single-point calibration improves accuracy while saving time.

### INTERNAL DATALOGGING

An internal datalogging package with software that interfaces with Microsoft Excel can log up to 1,000 data points.

### FLUORESCENCE APPLICATIONS

#### UV Channel (Ex 365 nm, Em 440 - 470 nm)

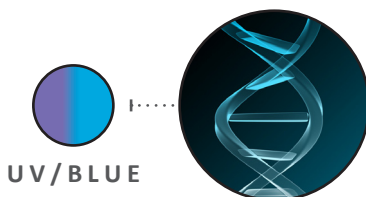
- Hoechst dye 33258 for DNA Quantitation
- 4-methyl-umbelliferone

#### Blue Channel (Ex 460 nm, Em 515 - 575 nm)

- DNA/RNA Quantitation
- eGFP
- Fluorescein



### DUAL CHANNELS



# INSTRUMENT FEATURES

## QUANTIFLUOR™-P FLUOROMETER

### QUANTIFLUOR™-P FLUOROMETER

The QuantiFluor™-P is a lightweight, handheld instrument configured for many of the fluorescent probes commonly used in nucleic acid and protein quantitation. While small in size, performance is not compromised. The QuantiFluor™-P has two dedicated channels that offer the ability to quickly analyze a sample for two different fluorescent signals.

### BATTERY POWERED

The QuantiFluor™-P is powered by four size AAA batteries.

### EASY TO USE

No special training is needed so you can focus on your data, not on how to use the software.

### INEXPENSIVE AND COMPACT

The small, lightweight QuantiFluor™-P can be stored in a drawer or on a shelf. With its low price, you can buy several to easily manage the demands of a busy lab.

### DEDICATED OPTICAL CHANNELS

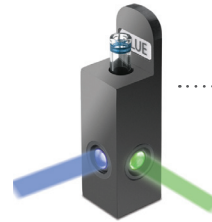
Two optical channels allow you to measure two different fluorophores in the same assay.

### SENSITIVE

Four logs of dynamic range.

### INTERNAL DATALOGGING

An internal datalogging package with software that interfaces with Microsoft Excel can log up to 1,000 data points.



### MINICELL ADAPTER

The optional Minicell Adapter allows you to measure sample in low volumes between 75 - 250 µl.

### FLUORESCENCE APPLICATIONS

#### UV/Blue Channel

##### UV Channel (Ex 365 nm, Em 440 - 470 nm)

- Hoechst dye 33258 for DNA Quantitation
- 4-methyl-umbelliferone

##### Blue Channel (Ex 460 nm, Em 515 - 575 nm)

- DNA/RNA Quantitation
- eGFP
- Fluorescein

#### Green/Blue Channel

##### Green Channel (Ex 525 nm, Em >570 nm)

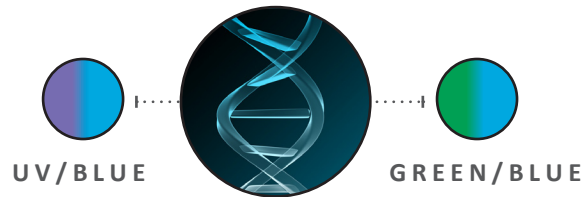
- Nucleotide or Protein Labeling
- Enzyme Activity
- Rhodamine
- Cy3

##### Blue Channel (Ex 460 nm, Em 515 - 575 nm)

- DNA/RNA Quantitation
- eGFP
- Fluorescein



### DEDICATED OPTICAL CHANNELS



# INSTRUMENT SPECIFICATIONS

## QUANTIFLUOR™ - ST

Available Detection Modes	Fluorescence
Light Source	Wavelength-matched LED
Detector	Silicon photodiode
Wavelength Selection	2 modes
Wavelengths	UV (Ex 365 nm, Em 440 - 470 nm) Blue (Ex 460 nm, Em 515 - 575 nm)
Detection Limit	1 ng/ml dsDNA with DNA Quantitation Dye, 1 ng/ml RNA using RNA Quantitation Dye, 10 ng/ml dsDNA using Hoechst Dye 33258, 100 ng/ml protein using Protein Quantitation Dye
Linear Dynamic Range	4 logs, assay dependent
Read Out	Direct concentration
Calibration	Single-point calibration
Discrete Sample Average	Sample readings averaged over 5 seconds to improve accuracy
Read Type	Discrete or Continuous
Sample Format	10 x 10 mm plastic cuvette or 50 - 250 µl minicell vial (with optional adapter)
User Interface	Menu-driven keypad and LCD display
Data Output	ASCII format through a 9-pin RS-232 serial cable at 9600 baud rate (optional). Optional thermal printer available.
External PC Requirements (optional)	Windows XP SP2 or later
Computer Interface	RS-232 port
Power	Instrument: 9V DC, 0.3A AC Adapter: 100-240V AC, 50/60 Hz, 0.25A
Alarms	High blank
Dimensions	7.25" D x 5.5" W x 2.7" H (18.42 cm D x 14 cm W x 6.9 cm H)
Weight	28.8 oz (0.67 kg)
Operating Temperature	59 - 86 °F (15 - 30 °C)
Warranty	One year
Approvals	CE, UL-listed power supply

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## QUANTIFLUOR™ - P

Available Detection Modes	Fluorescence
Light Source	Wavelength-matched LED
Detector	Silicon photodiode
Wavelength Selection	2 modes
UV/Blue QuantiFluor™-P Wavelengths	UV (Ex 365 nm, Em 440 - 470 nm), Blue (Ex 460 nm, Em 515 - 575 nm)
Green/Blue QuantiFluor™-P Wavelengths	Green (Ex 525 nm, Em >570 nm) Blue (Ex 460 nm, Em 515 - 575 nm)
Detection Limit	1 ng/ml dsDNA with DNA Quantitation Dye, 1 ng/ml RNA using RNA Quantitation Dye, 10 ng/ml dsDNA using Hoechst Dye 33258, 100 ng/ml protein using Protein Quantitation Dye
Linear Dynamic Range	4 logs, assay dependent
Read Out	Direct concentration
Calibration	Single-point calibration
Discrete Sample Average	Sample readings averaged over 5 seconds to improve accuracy
Read Type	Discrete or Continuous
Sample Format	10 x 10 mm plastic cuvette or 75 - 250 µl minicell vial (with optional adapter)
User Interface	Menu-driven keypad and LCD display
Data Output	ASCII format through a 9-pin RS-232 serial cable at 9600 baud rate (optional). Optional thermal printer available.
External PC Requirements (optional)	Windows XP SP2 or later
Computer Interface	RS-232 port
Power	4 AAA Alkaline batteries
Alarms	Low battery and high blank
Auto Shutoff	After 3 minutes of inactive use
Dimensions	7.25" D x 3.5" W x 1.75" H (18.4 cm D x 8.9 cm W x 4.45 cm H)
Weight	14 oz (0.4 kg)
Operating Temperature	59 - 86 °F (15 - 30 °C)
Warranty	One year
Approvals	CE

