Quantus FLUOROMETER

An easy-to-use, sensitive and affordable single-tube instrument for fluorescence-based quantitation of DNA and RNA.

Why Choose Quantus?

Recommended for **NGS**

200 TIMES MORE Sensitive Than NanoDrop® Spectrophotometer

10 TIMES MORE Sensitive Than Qubit® 2.0 Fluorometer

Optimized with Promega QuantiFluor® Dyes

Up to **40%** **SAVINGS** Over Similiar Competitor Products

Up to **25%** **SAVINGS** Over Similar Instruments

The Quantus™ Fluorometer has been successfully used in several NGS systems.

Including: *Illumina (HiSeq™/miSeq), Roche (454) and Life Technologies (ion Torrent™ and ion Proton™) Systems.*

The Details

Higher Sensitivity

Accurately measure samples too dilute to measure on a NanoDrop® Spectrophotometer. The Quantus™ Fluorometer and QuantiFluor® Dyes provide sensitivity that is up to 200 times greater than that of absorbance-based quantitation using the NanoDrop® Spectrophotometer, depending on the assay used and amount of sample measured.

Cost Savings

Save up to 25% over similar instruments. Plus, you save even more because you don't need a computer or any special accessories. Save an additional 40% by using Promega dyes (compared to similar competitor products).

Better Results

Successful and accurate quantitation leads to higher success rates in downstream assays such as PCR, cloning, transfection and next-generation sequencing.

Flexibility

Optimized for use with QuantiFluor® dsDNA, RNA and ssDNA Dyes, but the Quantus™ Fluorometer is also compatible with other fluorescent quantitation assays.

Improved Specificity

Fluorescence-based nucleic acid quantitation methods are more specific than UV absorbance-based methods so you measure the nucleic acids in your sample and not the impurities.

Easy-to-Use

Quantus™ Software

With the easy-to-install Quantus™ Software, you can transfer your data to a computer, making it simple to edit sample names.

Dual Channels

The included Blue and Red channels mean you can quantitate nucleic acids and proteins using various fluorescent dyes.

Seamless Workflow

Ready to go with preprogrammed protocols for all QuantiFluor® Dye Systems.

Watch the Video

See just how easy the Quantus is to use.

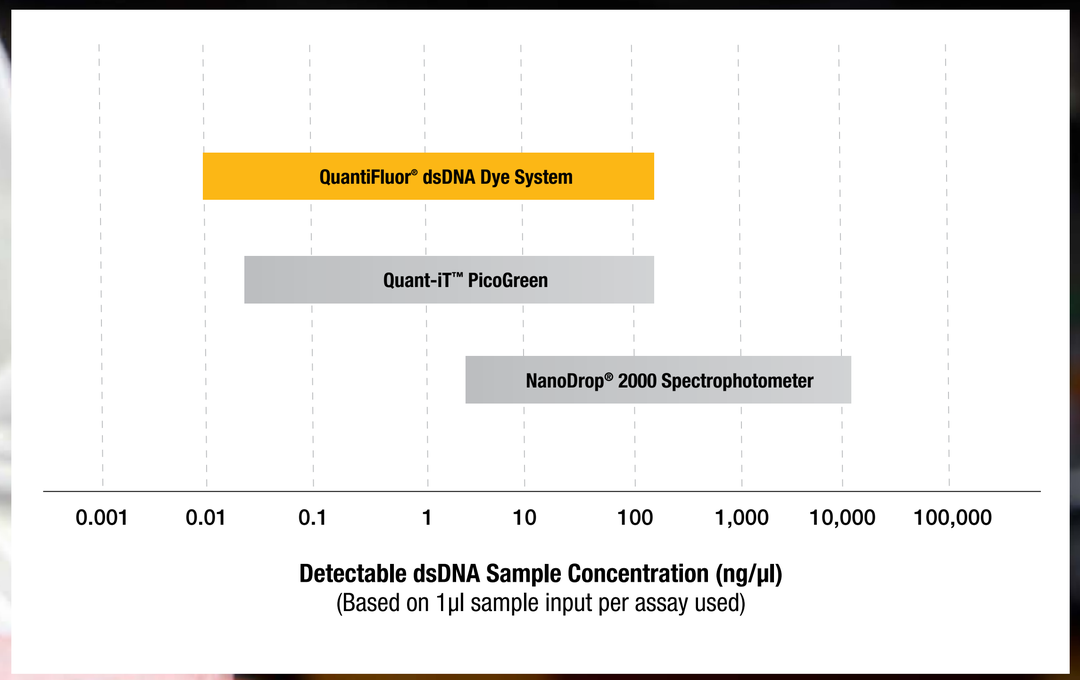
Touch or Click the video icon to begin.

Quantitate with Confidence.

High Sensitivity

Fluorescence-based nucleic acid quantitation methods are more sensitive than absorbance-based methods. This allows you to quantitate samples with concentrations too low to be accurately measured by absorbance.

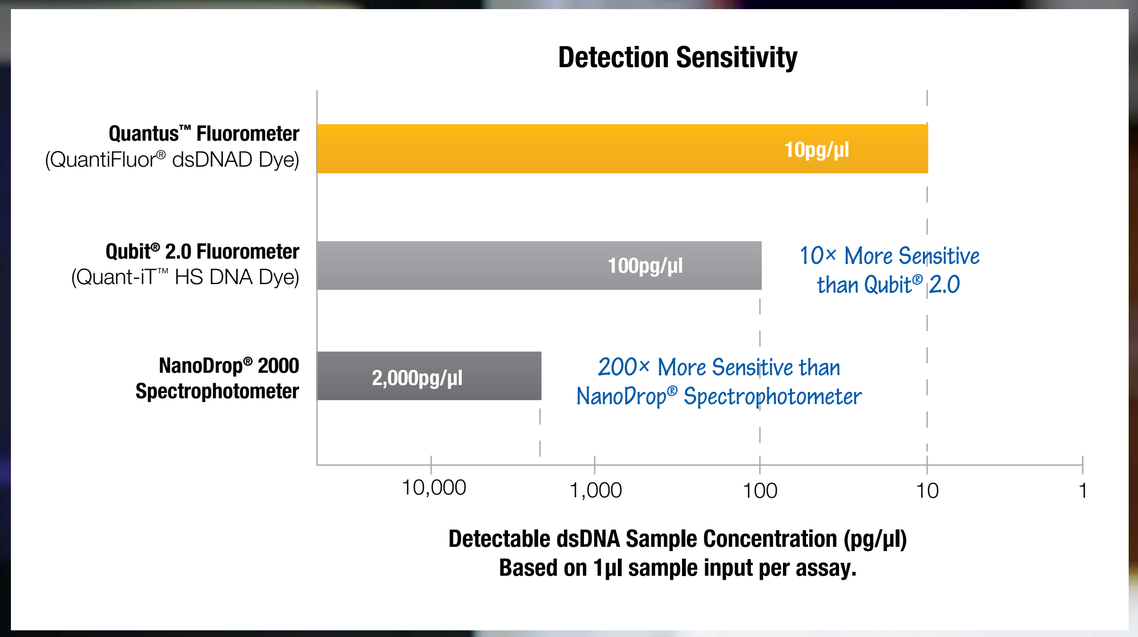
High sensitivity makes the Quantus™ Fluorometer perfect when working with sample types such as formalin-fixed paraffin-embedded (FFPE) tissue that yield low amounts of nucleic acid. You can confidently proceed to your downstream detection assays, knowing you have DNA or RNA and you're adding the correct amount.



Superior Specificity

Fluorescence-based nucleic acid quantitation methods also are more specific than absorbance-based methods that rely on A_{260} measurement:

- Single-stranded DNA, double-stranded DNA and RNA all absorb strongly at 260nm and cannot be distinguished by absorbance-based quantitation methods.
- Contaminants that absorb at 260nm, such as proteins or guanidine isothiocyanate, can cause an overestimation of nucleic acid concentrations.



Quantus™ Fluorometer Specifications

Size	22.7 × 11.5 × 4.5cm (9 x 4.5 x 1.8in)
Weight	400 grams (14 ounces)
Linear Dynamic Range	Five (5) orders of magnitude, assay-dependent
Sensitivity	10pg/µl double-stranded DNA with QuantiFluor® dsDNA Dye 100pg/µl RNA using QuantiFluor® RNA Dye
Detectors	Solid-state silicon sensor
Wavelengths	Excitation Filters: Red, 640nm shortpass; Blue, 495nm shortpass Emission Filters: Red, 660–720nm; Blue, 510–580nm
Calibration Type	Single-point (blank and standard)
Sample Tube	0.5ml PCR tubes [We recommend Promega tubes (Cat.# E4941 and E4942).]
Automatic Sleep Mode	After 1 hour of inactivity
Power Requirements	5V, 0.2A maximum
Computer Requirements (for optional Quantus™ Software)	Windows® 8, Windows® 7 (32 or 64 bit) .NET Framework 4.0 or later At least one USB port available
Warranty	1 year

Ordering Information

Quantus™ Fluorometer	Cat.# E6150
QuantiFluor® dsDNA System	Cat.# E2670
QuantiFluor® ONE dsDNA Dye (100 reactions)	Cat.# E4871
QuantiFluor® ONE dsDNA Dye (500 reactions)	Cat.# E4870
QuantiFluor® ssDNA System	Cat.# E3190
QuantiFluor® RNA System	Cat.# E3310
0.5ml PCR Tubes (pack of 50)	Cat.# E4941
0.5ml PCR Tubes (pack of 200)	Cat.# E4942

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