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Find the *GE Healthcare / Amersham Biosciences DQ200* at our website: *Click HERE*

DyNA Quant 200 Fluorometer

DQ 200



A filter fluorescence photometer with fixed excitation and emission band regions.

– Small Size

– Fast Analysis

– Superior Results at a Low Cost

Quantitate DNA from 10 ng/ml to 5 µg/ml in a Standard Cuvette

The DyNA Quant 200 fluorometer is designed specifically for the accurate quantitation of small volume samples with low DNA concentrations using the Hoechst 33258 dye. The dye binds preferentially to double-stranded DNA, thus allowing accurate quantitation even in the presence of RNA, proteins and/or nucleotides and in cell lysates.

Improve Realiability of Analytical and Preparative Steps

If you know the exact DNA concentration of your sample, the results of your subsequent PCRTM, RFLP, subcloning or sequencing reactions will be more reliable and easier to compare to previous experiments.

Measure Enzyme Activity

The DyNA Quant 200 fluorometer can also measure enzyme activity based on the cleavage of methylumbelliferyl-linked substrates and other fluorescent substrates with similar excitation and emission characteristics (365 nm ex, 460 nm em). Enzymes that can be assayed with fluorescent substrates include ß-galactosidase (gus), and proteases.

Accurate Quantitation of your DNA Sample from 10 ng/ml to 5 µg/ml

- Accurate, precise detection of DNA even in the presence of RNA, proteins and/or nucleotides
- Measures enzyme activity based on methylumbelliferyl and other similar fluorescent substrates
- 200-300 times more sensitive than UV/Visible spectroscopy

Easy Sample Preparation

In a standard cuvette, just add as little as 2 µl sample to 2 ml dye solution, mix, insert into the DyNA Quant 200 fluorometer and measure.

DQ 130 Capillary Cuvette Allows Sensitive Analysis of Small Volumes: The optional DQ 130 Capillary Cuvette allows you to analyze volumes as small as 3 µl. With such small volumes, DyNA Quant can detect as little as 1 ng of DNA.

DQ 120 Capillary Adapter Kit Recovers Small Volume Samples: Sample volumes as small as 10 µl can be recovered with the optional DQ 120 Capillary Adapter Kit.

Superior Results as a Low Cost

The DyNA Quant 200 fluorometer is just a fraction of the cost of a UV/Visible spectrophotometer. The results are MORE RELIABLE. And the DyNA Quant 200 sensitivity is 200-300 times greater than UV/Vis methods.

Specifications

Power requirements	90-260VAC, 47-63Hz, 15W (115V and 230V)
Light source	Mercury lamp (expected life 5,000 hours)
Excitation Range	365 nm + 7 nm @ FWHM
Emission Range	460 nm + 15 nm @ FWHM
Detector	Silicon photodiode
Sensitivity	10ng/ml in standard 1 cm path cuvettes (Hoechst DNA assay)
Dimensions (hwd)	12 x 16 x 35 cm
Weight (shipping)	2 kg (4.4 lbs)

Fast Operation with Immediate Feedback



The liquid crystal display shows operation prompts and concentration output. Units may be displayed to aid interpretation. Sample number can be tracked and displayed as well.

ORDERING INFORMATION

DQ200-115V DQ200-230V	DyNA Quant 200 Fluorometer with H33258 & Calf Thymus
DQ105	Glass Fluorometry Cuvette
DQ120	Capillary Adapter Kit (10, 50 or 100 ml)
DQ130	Capillary Cuvette Kit (3 to 9 ml)
DQ150	Repipette Jr. Dispenser
DQ201	Hoechst 33258 Dye
DQ202	Calf Thymus DNA
DQ203	4-MU Standard Kit
DQ210	Performance Validation Kit

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FOR ORDERING OR TECHNICAL INFORMATION

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