

Qubit 4 Fluorometer—fast answers for precious samples

Find out for sure if you have enough DNA or RNA for your experiment



Purify DNA



Purify RNA



Quantitate



Analyze

The Invitrogen™ Qubit™ 4 Fluorometer is designed to quickly and specifically quantitate DNA or RNA.

With the newest version of the Qubit Fluorometer, you can now easily measure RNA integrity and quality.

Key features include:

- Qubit assay dyes bind selectively to DNA, RNA, or protein, making it more sensitive than UV absorbance
- Uses as little as 1 µL of sample, even with very dilute samples
- Fast, reliable detection of degraded RNA with the new Invitrogen™ Qubit™ RNA IQ Assay
- New integrated reagent calculator to quickly generate working solution calculations

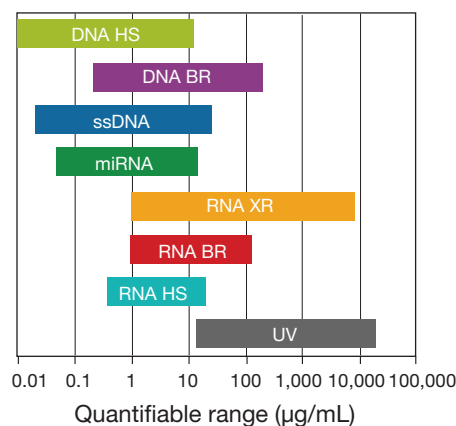


Figure 1. Comparison of quantifiable sample concentration ranges for the Qubit assays versus UV absorbance measurements. UV absorbance readings are not selective for RNA vs. DNA.

Features of Qubit assays

- Kits contain concentrated assay reagent, dilution buffer, and prediluted standards
- All assays are performed using the same general protocol with a simple mix-and-read format
- Dyes fluoresce only when bound to the target of interest, minimizing the effects of contaminants—including degraded DNA or RNA—on the result
- Only 2 minutes of incubation time required for DNA and RNA assays

Assays available for Qubit fluorometers

Product	Initial sample concentration	Quantitation range	Quantity	Cat. No.
DNA quantitation kits				
Qubit ssDNA Assay Kit	50 pg/μL to 200 ng/μL	1–200 ng	100 assays	Q10212
Qubit dsDNA BR Assay Kit	100 pg/μL to 1,000 ng/μL	2–1,000 ng	100 assays	Q32850
			500 assays	Q32853
Qubit dsDNA HS Assay Kit	10 pg/μL to 100 ng/μL	0.2–100 ng	100 assays	Q32851
			500 assays	Q32854
Qubit 1X dsDNA HS Assay Kit	10 pg/μL to 100 ng/μL	0.2–100 ng	100 assays	Q33230
			500 assays	Q33231
RNA integrity and quality kit				
Qubit RNA IQ Assay Kit*	NA	NA	75 assays	Q33221
			275 assays	Q33222
RNA quantitation kits				
Qubit RNA BR Assay Kit	1 ng/μL to 1 μg/μL	20–1,000 ng	100 assays	Q10210
			500 assays	Q10211
Qubit RNA HS Assay Kit	250 pg/μL to 100 ng/μL	5–100 ng	100 assays	Q32852
			500 assays	Q32855
Qubit RNA XR Assay Kit	1 ng/μL to 8 μg/μL	20 ng–8 μg	100 assays	Q33223
			500 assays	Q33224
Qubit microRNA Assay Kit	50 ng/mL to 100 μg/mL	1–1,000 ng	100 assays	Q32880
			500 assays	Q32881
Protein quantitation kit				
Qubit Protein Assay Kit	12.5 μg/mL to 5 mg/mL	0.25–5 μg	100 assays	Q33211
			500 assays	Q33212
Instrument and accessories				
Qubit 4 Fluorometer			1 instrument	Q33226
Qubit 4 RNA IQ Starter Kit			1 kit	Q33229
Qubit 4 Quantitation Starter Kit			1 kit	Q33227
Qubit 4 NGS Starter Kit			1 kit	Q33228
Qubit Assay Tubes			500 tubes	Q32856

* Note: The Qubit RNA IQ Assay for the detection of degraded RNA can only be run on the Qubit 4 Fluorometer and cannot be performed on the original Qubit, Qubit 2.0, or Qubit 3.0 Fluorometers.

Find out more at thermofisher.com/qubit