Quant-iT™ Assays
Abbreviated Protocol

IMPORTANT: Ensure all assay reagents are at **room temperature** before you begin.

1. Set up your tubes: you'll need two tubes for the standards (three for the protein assay) and one tube for each of your samples.

2. Make the Quant-iT™ **Working Solution** by diluting the Quant-iT™ reagent 1:200 in Quant-iT™ buffer. 200 uL of **Working Solution** are required for each sample and standard.

3. Prepare Assay Tubes according to the table below.

	Standard Assay Tubes	**User Sample** Assay Tubes
Volume of **Working Solution** (from step 2) to add	190 µL	180-199 µL
Volume of **Standard** (from kit) to add	10 µL	—
Volume of **User Sample** to add	—	1–20 µL
Total Volume in each Assay Tube	200 µL	200 µL

4. Vortex all tubes for 2–3 seconds.

5. Incubate the tubes for 2 minutes at room temperature (15 minutes for the Quant-iT™ protein assay).

6. Read tubes in Qubit™ fluorometer.

7. Multiply by the dilution factor (see Manual) to determine concentration of your original sample. Alternatively, choose **Calculate sample concentration** to have the Qubit™ fluorometer perform this multiplication for you.

* Use only thin-wall, clear 0.5 mL PCR tubes. Acceptable tubes include Qubit™ assay tubes (500, Invitrogen Cat. no. Q32856) or Axygen PCR-05-C tubes (VWR, part number 10011-830).

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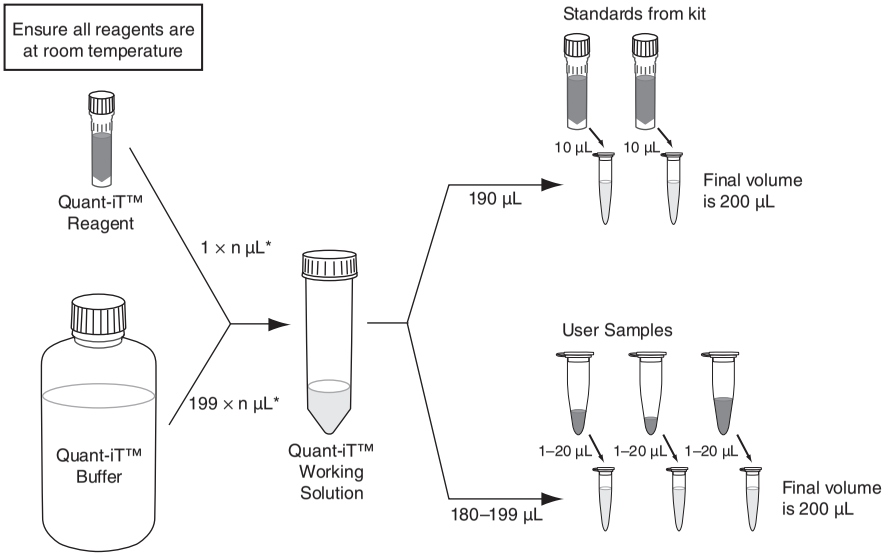
Ensure all reagents are at room temperature



* where n = number of Standards plus number of Samples

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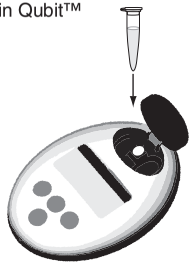
Vortex all assay tubes for 2–3 seconds

Incubate at room temperature for 2 minutes (15 minutes for Quant-iT™ protein assay)

Read tubes in Qubit™ fluorometer



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