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Qubit4 Fluorometer Protocol: Invitrogen dsDNA HS Assay Kit (REF 32854)

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Abstract

Qubit4 Fluorometer Protocol: Invitrogen dsDNA HS Assay Kit (REF 32854); Qubit4 protocol used to test dsDNA concentrations in samples.





Qubit4 Fluorometer Protocol: Invitrogen dsDNA HS Assay Kit (REF 32854)

1 Set up two assay tubes (Qubit assay tubes REF Q32856) for the standards (Standard #1 and Standard #2) and one assay tube for each sample.

1.1 **Preparing working solution:**

- Prepare samples: Δ 198 μL of working solution and Δ 2 μL of extracted DNA, to a final volume of Δ 200 μL for each sample.

 Tip: When pipetting DNA, make sure to mix slowly with pipette tip to prevent shearing. Slowly mix this mixture up and down with pipette tip as well.
- 4 Vortex all tubes and centrifuge briefly. Remove any bubbles before inserting tubes into the Oubit4 Fluorometer.
- **Setting up the Qubit4 Fluorometer:** (a) select dsDNA, (b) choose dsDNA HS.
- Insert standard tubes into the Qubit Fluorometer and take readings. Note: make sure that standard readings are accurate before moving on to the samples. (Standard #1: low, Standard #2: high). Specify the volume of DNA used and then take readings of your samples.