

DNA Quantification Kits



- Highly accurate and selective for dsDNA
- Kits available for High Sensitivity and Broad Range dsDNA quantification
- Compatible with popular fluorometer instruments • Qubit®
 - SmartDrop™XF
 - Fluorescence microplate readers



The **DNA Quantification Kits** are designed for accurate fluorescent quantification of dsDNA using instruments such as the Qubit[®], SmartDrop TMXF, and microplate readers. The reagents are highly selective for double-stranded DNA (dsDNA dsDNA); quantification results will not be skewed by single-stranded DNA (ssDNA), RNA, protein, or nucleotides in a sample. Included with each kit are a concentrated fluorescent assay reagent, dilution buffer, and ready-to -use DNA standards. The assay reagent is diluted using the buffer provided, sample is added (1 μ L to 20 μ L), and the concentration determined using an appropriate fluorometer instrument that utilizes blue excitation (460±20 nm) and measures green fluorescence (525-570 nm).

High Sensitivity dsDNA Assay Kit

The High Sensitivity Kit provides an accurate method to quantify low concentration dsDNA samples. The assay kit is designed to be accurate for initial DNA sample concentrations of $0.0050.005-120 \text{ ng}/\mu\text{L}$, providing a detection range of 0.1 0.1–120 ng.

Broad Range dsDNA Assay Kit

The Broad Range Kit provides an accurate method to quantify dsDNA samples that have a broad concentration range starting at 0.2 ng/ μ L. The assay kit is designed to be accurate for initial DNA sample concentrations of 0.2 to 2,000 ng/ μ L, providing a detection range of 4-2,000 ng.

Cat No.	Description	UOM
ES5250	High Sensitivity dsDNA Quantification Kit	100 assays
ES5251	Broad Range dsDNA Quantification Kit	100 assays
ES59801-T	0.5mL Fluorescence Detection Tubes	250/pack

