QUANTIFICATION KITS

For dsDNA,ssDSNA, & RNA

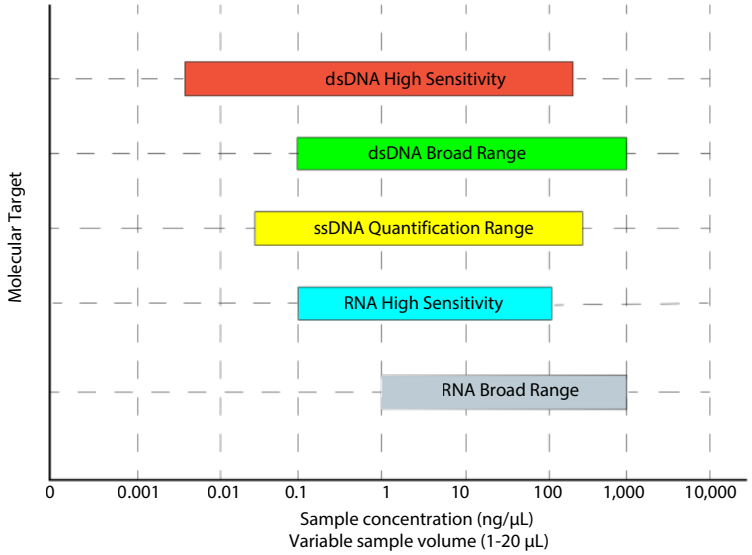


Standard Kit



1X Kit

- A range of kits for dsDNA, ssDNA and RNA
- Formulations for High Sensitivity and Broad Range quantification
- More sensitive than UV absorbance methods
- 1X format available for dsDNA kits to reduce prep time
- Compatible with popular fluorometers :
  - Invitrogen Qubit®
  - Accuris Smart-Q™
  - Fluorescence microplate readers



Accuris Quantification Kits are designed for accurate fluorescent quantification of dsDNA, ssDNA and RNA using popular fluorometer instruments such as the Qubit®, Accuris Smart-Q™, Accuris SmartDrop™ XF, and fluorescent microplate readers. The included fluorescent dyes are highly selective for the target molecule of interest and quantification results are minimally affected by contaminants such as salts, protein or solvents.

Included with each kit are the fluorescent assay reagent + buffer, and ready-to-use DNA standards. Easy-to-follow protocols are included explaining how to prepare the reagents and standards and to quantify unknown samples. Nucleic acid concentrations are quickly determined using an appropriate fluorometer instrument that utilizes blue excitation (460 ± 20 nm) and measures green fluorescence (525-570 nm).

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dsDNA High Sensitivity Quantification Kits

Accuris High Sensitivity Kits provide an accurate method to quantify low concentration dsDNA samples. The assay kits are accurate for initial DNA sample concentrations of 0.005–120 ng/µl. A convenient 1X version includes a pre-mixed fluorescent working solution to save on pipetting steps and to ensure consistent results.

dsDNA Broad Range Quantification Kits

The Accuris Broad Range Kits provide an accurate method to quantify dsDNA samples that have a broad concentration range starting at 0.1 ng/µL. The assay kits are accurate for initial DNA sample concentrations of 0.1 to 1,000 ng/µL. A convenient 1X version includes a pre-mixed fluorescent working solution to save on pipetting steps and to ensure consistent results.

ssDNA Quantification Kit

The Accuris ssDNA Kit provides a simple and accurate method for quantifying single-stranded DNA (ssDNA) or oligonucleotides. The assay kit is accurate at detecting ssDNA between 0.05-200 ng/µL. While the kit is not selective for ssDNA over double-stranded DNA (dsDNA) or RNA, it does not detect contaminating proteins or nucleotides. Additionally, the kit demonstrates insensitivity to low concentrations of common contaminants such as proteins, salts, solvents, and detergents.

RNA High Sensitivity Quantification Kit

The Accuris RNA High Sensitivity Quantification Kit offers a reliable and accurate method for measuring RNA concentration. This assay is highly selective for RNA over double-stranded and single-stranded DNA and can detect RNA concentrations ranging from 0.1 ng/µL to 100 ng/µL.

RNA Broad Range Quantification Kit

The Accuris RNA Broad Range Quantification Kit enables precise and reliable RNA quantification. This assay exhibits high specificity for RNA over single-stranded and double-stranded DNA, allowing for the detection of RNA concentrations ranging from 1 ng/µL to 1000 ng/µL. This assay demonstrates robustness against common contaminants, including proteins, free nucleotides, salts, solvents, and detergents.

Cat No.	Description	Measurable Concentration Range
F1000-HS-100/500	Accuris dsDNA High Sensitivity Quantification Kit, 100 or 500 assays	0.005ng/µL - 120ng/µL
F1000-HS1-100/500	Accuris 1X dsDNA High Sensitivity Quantification Kit, 100 or 500 assays	0.005ng/µL - 120ng/µL
F1000-BR-100/500	Accuris dsDNA Broad Range Quantification Kit, 100 or 500 assays	0.1ng/µL - 1000ng/µL
F1000-BR1-100/500	Accuris 1X dsDNA Broad Range Quantification Kit, 100 or 500 assays	0.1ng/µL - 1000ng/µL
F1000-SD-100/500	Accuris ssDNA Quantification Kit, 100 or 500 Assays	0.05ng/µL - 200ng/µL
F1000-RHS-100/500	Accuris RNA High Sensitivity Quantification Kit, 100 or 500 assays	0.1ng/µL - 100ng/µL
F1000-RBR-100/500	Accuris RNA Broad Range Quantification Kit, 100 or 500 assays	1ng/µL - 1000ng/µL
F1001-T	0.5mL Fluorescence Detection Tubes, pack of 250	
F1008-T	0.2ml Smart-Q™ 800 Assay Tubes, pack of 1000	
F1008-T-8	0.2ml Smart-Q™ 800 Assay Tube Strips, pack of 120 strips	

ALSO AVAILABLE FROM ACCURIS INSTRUMENTS



Smart-Q™
Quantitative Fluorometer

- Sensitive quantitation down to 0.1pg/ul ds DNA
- Large color touch screen for programming and operation
- Two models for single or 8-sample processing
- Built-in reagent calculators for sample preparation

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