



## Fluorescence Quantification Assays



- dsDNA and RNA Targeted Assays
- Best-in-Class Dynamic Range & Sensitivity
  - 0.5 pg/μL - 4000 ng/μL dsDNA
  - 250 pg/μL - 1500 ng/μL RNA
- Simple Mix-and-Measure Protocol
- Microplate Compatible

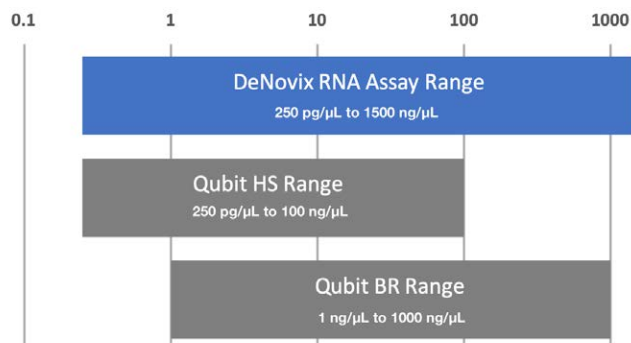
## Specific, Sensitive and Easy-to-Use!

The combination of DeNovix Fluorescence Quantification Kits and DeNovix Fluorometers provide an analytical package that remove the existing limits of fluorescence quantification. DeNovix Assays offer enhanced dynamic range over comparable Qubit® Assays, giving researchers greater flexibility and avoiding the need for repeated dilutions. All assays are designed for selective quantification of dsDNA or RNA in samples that may be contaminated with biomolecules that interfere with UV-Vis quantification methods.

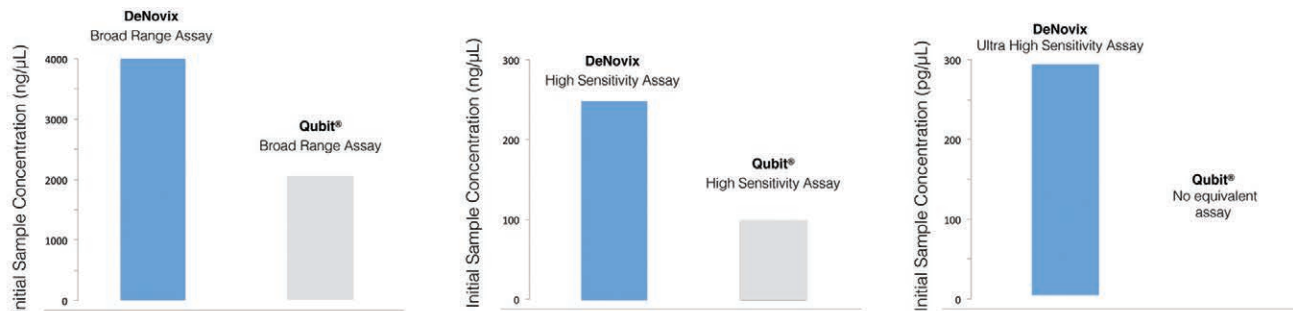
The DeNovix Ultra High Sensitivity dsDNA Assay delivers unmatched sensitivity—as low as 0.5 pg/μL. Single cell analysis, laser captured samples, circulating DNA and tumor heterogeneity studies are among the applications that benefit from fast and accurate quantification thanks to a 20X greater sensitivity than Qubit® Assays.

### DeNovix RNA Assay vs. Qubit®

The DeNovix RNA Assay quantifies a wider dynamic range than the combined range of two Qubit® RNA Assays. The simple-to-use, two-point-standard curve assay covers a range of 250 pg/μL to 1500 ng/μL. This matches the lower detection limit of the Qubit® HS (High Sensitivity) RNA Assay and eclipses the upper range of the Qubit® BR (Broad Range) RNA Assays. The assay exhibits excellent linearity through the entire dynamic range. See DeNovix Technical Note 200 for details.



## Comparison of DeNovix and Qubit® dsDNA Assay Kits



The DeNovix suite of dsDNA Quantification Assays includes three different offerings designed for accuracy and linearity over different measurement ranges. Applications such as single-cell genomics benefit from the best-in-class 0.5 pg/μL detection limit of the Ultra High Sensitivity Assay. The upper limit of the Broad Range Assay, 4000 ng/μL, covers the most common quantification applications in molecular biology, microbiology and cellular biology research.

## Free Evaluation Kits Available

DeNovix Fluorescence Assays are available in 1000, 250 and 50 assay kits sizes. U.S. customers may purchase dsDNA and RNA assays directly from the [denovix.com](http://denovix.com) website. International customers should contact their local DeNovix distributor.

U.S. customers may evaluate assays and instruments free of charge. Contact DeNovix via [denovix.com](http://denovix.com) or email [info@denovix.com](mailto:info@denovix.com) to request a free trial.

## DeNovix Spectrophotometer / Fluorometer Options



DeNovix Fluorescence Quantification Assays have been optimized and fully integrated into DeNovix Fluorometer instruments. Our powerful EasyApps® Software comes preinstalled and is ready for analysis and reporting. Simply select the proper LED for excitation and assay, generate a two-point-standard curve and analyze the samples. Choose from a full suite of export options, including e-mail, network drives, USB or network printers. DeNovix Fluorometers are also extremely flexible! All instruments include four emission channels (UV, Blue, Red, Green), allowing researchers to utilize a wide variety of fluorophores and assays. Fluorescence quantitation has never been easier!

- **Calibration and Maintenance Free**
- **Unparalleled Dynamic Range**
- **Unique, All-In-One UV-Vis and Fluorescence Design**
- **One-Step Analysis and Automatic Reporting**

*For Research Use Only*  
Qubit® is a registered trademark of Thermo Fisher Scientific and its subsidiaries.