



Thermo Fisher Scientific's NanoDrop Ultra plays well with others

Don't leave helpful options out of your bio lab's analytical workflow. Whether you need accurate measurements and purity checks of nucleic acids and proteins at high concentrations, highly specific quantification of DNA or RNA at low concentrations, counts of cells and viability assessments, or the ability to transfect cell lines with high efficiency and high cell viability, Thermo Fisher Scientific makes the instruments necessary for this work, and they work well together.

Thermo Scientific™ NanoDrop™ Ultra UV-Vis Microvolume Spectrophotometers and Fluorometers work well as complements to a number of other analytical instruments within the Thermo Fisher Scientific portfolio. When you need to enhance your workflow or more fully develop your analytical processes, using a NanoDrop Ultra spectrophotometer in conjunction with other instruments like a Thermo Scientific™ Qubit Fluorometer, an Invitrogen™ Countess™ 3 / Countess™ 3 FL Automated Cell Counter, or an Invitrogen™ Neon™ NxT Electroporation System can provide the exceptional sample insight that make a difference.

Quantitate nucleic acids AND count cells to assess viability

Start your workflow by quantitating nucleic acids using the Thermo Fisher™ Nanodrop Ultra and Qubit families of instruments. The NanoDrop Ultra spectrophotometer/fluorometer is a state-of-the-art microvolume spectrophotometer designed to measure nucleic acid concentration and purity levels with minimal sample consumption. This instrument is ideal for quick and reliable quantitation of DNA, RNA, and protein samples. With a broad dynamic range and the ability to handle small sample volumes, it is perfect for precious or limited samples. The NanoDrop Ultra spectrophotometer also features advanced software such as the optional Thermo Fisher™ Acclaro™ Pro software that provides premier levels of accuracy for highly concentrated samples and the Thermo Fisher™ Acclaro™ Contaminant Identification feature present on all NanoDrop Ultra instruments that alerts the user of possible contamination in the sample and identifies what it might be.

Complementing the NanoDrop Ultra spectrophotometer's speed and ability to handle high concentrations without the need for dilutions, the Qubit fluorometer offers highly sensitive and accurate quantitation of nucleic acids. The Qubit system employs fluorescent dyes that emit signals only when bound to specific target molecules. This ensures precise measurements even at low concentrations. Such specificity reduces the interference from contaminants, making the Qubit fluorometer an excellent choice for applications requiring high sensitivity and accuracy.

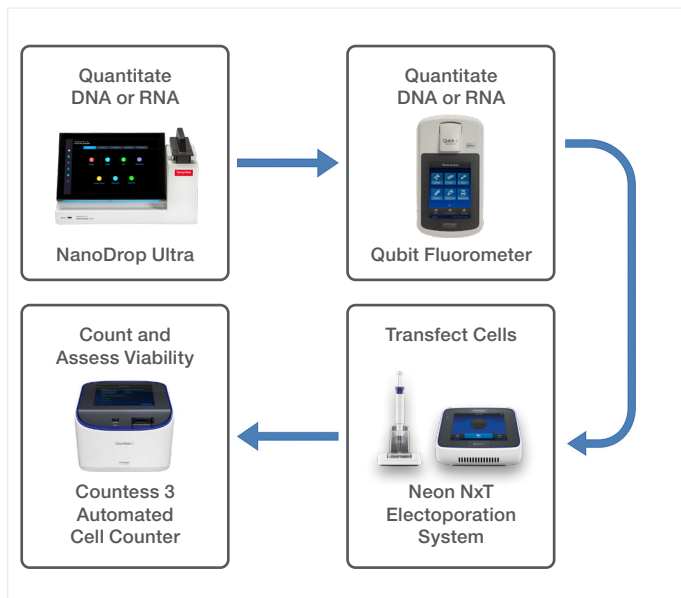
Following quantitation of nucleic acids, cells can be counted and their viability assessed using the Countess automated cell counter. The Countess instrument simplifies the cell counting process by providing accurate and reproducible cell counts and viability assessments using trypan blue staining. This automated system reduces user variability and speeds up the workflow, ensuring consistent and reliable results.

Transfect cells AND Quantitate % transfection efficiency and cell viability

Next in the lab workflow, perform efficient and reproducible cell transfection with the Neon NxT electroporation system. The versatile Neon NxT system allows for the transfection of a wide range of cell types, including hard-to-transfect cells. It features customizable protocols and an intuitive interface, making it easy to optimize transfection conditions for your specific needs.

Finally, you can make use again of the Countess automated cell counter to assess the percentage of transfected cells and their viability post-transfection. With its detailed analysis of cell health and transfection efficiency, you will be able to make informed decisions about your experimental outcomes.

From early nucleic acid quantitation to assessment of end-of-workflow cell viability, Thermo Fisher has the analytical tools you need. Whether it's day-to-day cloning measurements (NanoDrop Ultra spectrophotometer), precise low concentration evaluation (Qubit fluorometer), cell counts (Countess automated cell counter), or transfection protocols (NxT electroporation system), Thermo Fisher Scientific provides the array of instruments that complement one another and enhances your entire workflow.



Learn more at thermofisher.com/nanodrop