

NanoVue Spectrophotometer

The NanoVue™ Spectrophotometer (Fig 1) is a new instrument with a novel drop-and-measure sample plate for the accurate and reliable quantitation of nucleic acid and protein samples. The ability to pipette samples of 0.5 to 5 µl directly onto the sample plate eliminates the need for cuvettes or other sample devices. After measurement, the sample can either be easily recovered with a pipette or quickly discarded by wiping the sample plate clean for the next measurement.

NanoVue is pre-programmed with a range of preset methods for the quantitation of nucleic acids and proteins, using UV or dye-intercalation methods (Lowry, Bradford, BCA, and Biuret). In addition, wavelength scanning gives you the flexibility to design your own methods, which can be stored in a personal folder for easy access. The instrument has a direct user interface, so no computer is required, saving space in the laboratory. Fast instrument start-up with automatic self-calibration means the NanoVue spectrophotometer is always ready to use.



Fig 1. The NanoVue Spectrophotometer uses a novel drop-and-measure sample plate which eliminates the need for cuvettes.

NanoVue Spectrophotometer offers:

- **Novel hydrophobic sample plate:** Save time and effort by directly pipetting your sample onto the sample plate for measurement. The hydrophobic coating facilitates sample recovery and reduces the potential for contamination of the sample mechanism thus improving data precision
- **Low sample volumes:** Reduce sample loss and eliminate the need for dilution by using low volumes of 0.5 to 5 µl for sample measurement. The appropriate pathlength for your sample volume is selected automatically unless you opt for manual selection
- **Fast measurements:** Read-time is typically < 5 s per sample and you save more time by not having to wash cuvettes or dilute samples
- **Convenience and ease of use:** Large, high-resolution graphical display enables a quick read of relevant results.
- Calibration curves, kinetics or ratio measurements are all displayed at the touch of a button
- **Flexible analytical performance:** Full wavelength scan in less than 5 s from 200 to 900 nm with zoom facility, peak identification, and on-peak confirmation. Visualization of nucleic acid scans allows impurities to be detected and this is especially useful with RNA samples
- **Choice of data output:** Print to an integrated printer (optional) or to any suitable PC via a USB or wireless (Bluetooth) connection
- **Reliability and robust instrumentation:** Press-to-read feature reduces the amount of time the lamp stays switched on. Optics with no moving parts reduces the incidence of optical misalignment

Contact Fisher Scientific for more information!