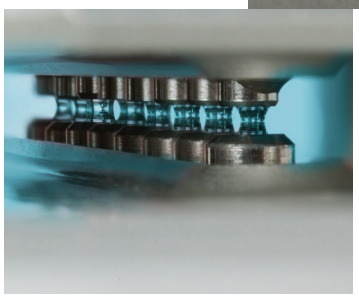
Product Specifications

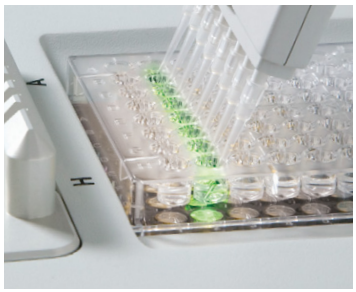
Thermo Scientific NanoDrop 8000 Spectrophotometer

As the industry leader in micro-sample quantitation, Thermo Scientific NanoDrop products meet the needs of today's laboratory scientist with instruments that are smart, simple and robust. We combine our extensive expertise in micro-sample analysis with an in-depth understanding of real-life applications to deliver the latest in UV-Vis and Fluorescence instrumentation.

Multi-Sample Measurement



Multi-Sample Loading



Sample Position Illuminator

Thermo Scientific NanoDrop 8000

With the Thermo Scientific NanoDrop 8000, you can measure more samples in less time without sacrificing the reliability and easy-to-use technology of the single sample model.

The NanoDrop™ 8000 spectrophotometer takes full-spectrum UV-Vis absorbance measurements of up to eight samples simultaneously. Using an eight channel pipette to dispense samples on a linear array of pedestals, you can easily measure 96 sample in less than six minutes.

- Improved productivity with capability of analyzing up to eight 1 µl samples at one time
- Innovative software to create custom methods and options to design reports and export data
- Increased efficiency with the Sample Position Illuminator, which reduces error by keeping track of the samples to be measured
- High throughput for environments such as biorepositories, genotyping facilities and quality control labs
- Improved productivity for busy labs where multiple users currently use the single sample model

Thermo Scientific NanoDrop 8000 Spectrophotometer

NanoDrop 8000

Instrument Type:	Spectrophotometer
Minimum Sample Size:	1 µl
Sample Number:	up to 8
Path Length:	1mm (auto-ranging to 0.2 mm)
Light Source:	Xenon flash lamp
Detector Type:	2048-element linear silicon CCD array
Wavelength Range:	220 – 750 nm
Wavelength Accuracy:	1 nm
Spectral Resolution:	3 nm (FWHM at Hg 546 nm)
Absorbance Precision:	0.003 (1 mm path)
Absorbance Accuracy:	2% (at 0.76 at 257 nm)
Absorbance Range:	0.02 – 75 (10 mm equivalent)
Detection Limit:	2.5 ng/µl (dsDNA)
Maximum Concentration:	3,700 ng/µl (dsDNA)
Measurement Time:	< 20 seconds
Footprint:	24 x 32 cm
Weight:	3.4 kg
Sample Pedestal Material of Construction:	303 stainless steel and quartz fiber
Operating Voltage:	12 vdc
Operating Power Consumption:	30 W
Standby Power Consumption:	6 W
Software Compatibility:	Windows® 2000 XP and Vista™ (32 bit)

All NanoDrop instruments are approved to CE and UL/CSA standards.

NanoDrop Products Patented Retention System

All NanoDrop products utilize a unique technology that allows a sample to be pipetted directly onto an optical measurement surface. The system uses inherent surface tension to hold a micro-volume sample in place during the measurement cycle. Once the measurement is complete, the surfaces are simply wiped with a lint-free lab wipe.

Our trial program allows you to try an instrument in your lab with your own samples— completely free of charge. Visit **www.nanodrop.com** to request your free trial instrument.*

*Available only in US and Canada

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