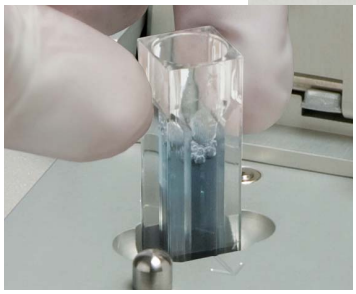
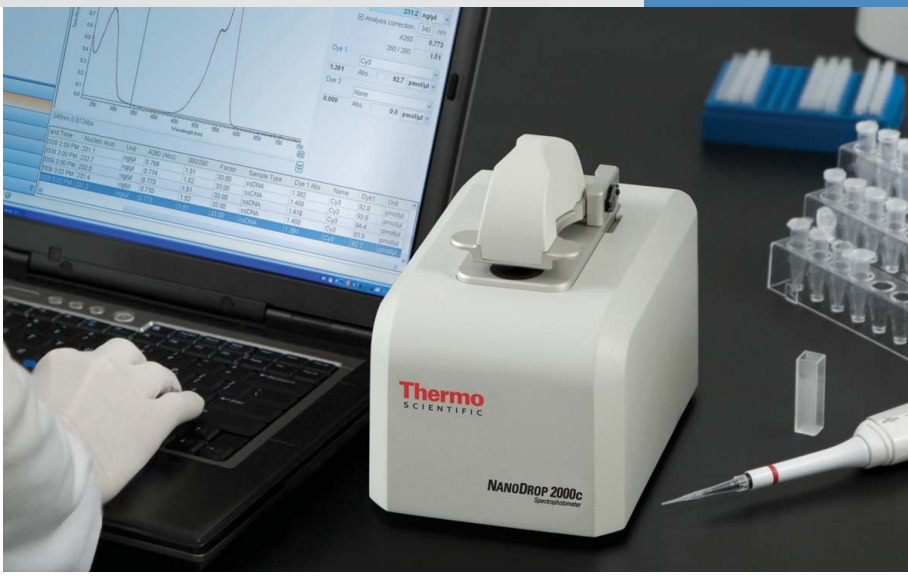
Product Specifications

Thermo Scientific NanoDrop 2000|2000c Spectrophotometers

As the industry leader in micro-sample quantitation, Thermo Scientific NanoDrop products meet the needs of today's laboratory scientist—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.





Thermo Scientific NanoDrop 2000c

The only spectrophotometer that combines micro-volume pedestal technology and cuvette capability.

Thermo Scientific NanoDrop 2000

Delivers the same high-quality performance you've come to expect from our full-spectrum UV-Vis instruments:

- Fast measurement time of less than five seconds
- Innovative software to create custom methods and options to design reports and export data
- Perfect for proteins with low wavelength absorbance, such as peptides at 205 nm
- Sample volumes as small as 0.5 µl, which is ideal for precious high concentration samples
- Concentration measurement capability up to 15,000 ng/µl which eliminates the need to dilute highly concentrated samples

Thermo Scientific NanoDrop 2000c

Does everything the NanoDrop™ 2000 does, plus more. With its unique, patent-pending technology, the NanoDrop 2000c combines micro-volume pedestal technology and cuvette capability in a single instrument:

- Innovative technology that makes this the only UV-Vis spectrophotometer your lab will ever need
- Expanded measurement options for all types of samples—choose the measuring option right for your sample: cuvette or pedestal
- Broader concentration range for measuring very low concentrations and very high concentrations
- Cuvette capability allows for kinetics (time or time/temperature studies) and cell culture (OD 600) measurements

Thermo Scientific NanoDrop 2000|2000c Spectrophotometers

NanoDrop 2000|2000c—pedestal

Instrument Type:	Spectrophotometer
Minimum Sample Size:	0.5 µl
Sample Number:	1
Path Length:	1 mm (auto-ranging to 0.05 mm)
Light Source:	Xenon flash lamp
Detector Type:	2048-element linear silicon CCD array
Wavelength Range:	190 – 840 nm
Wavelength Accuracy:	1 nm
Spectral Resolution:	≤1.8 nm (FWHM at Hg 253.7 nm)
Absorbance Precision:	0.002 (1 mm path)
Absorbance Accuracy:	2% (at 0.76 at 257 nm)
Absorbance Range:	0.02 – 300 (10 mm equivalent)
Detection Limit:	2 ng/µl (dsDNA)
Maximum Concentration:	15,000 ng/µl (dsDNA)
Measurement Time:	< 5 seconds
Footprint:	14 x 20 cm
Weight:	2.0 kg
Sample Pedestal Material of Construction:	303 stainless steel and quartz fiber
Operating voltage:	12 vdc
Operating Power Consumption:	12 – 18 W (max 30 W)
Standby Power Consumption:	5 W
Software Compatibility:	Windows® XP (32-bit) with Service Pack (SP) 2 or later Windows® Vista™ (32 bit)

Specifications NanoDrop 2000c—cuvette

Heating:	37 ± 0.5 °C
Stirring:	150 – 850 rpm
Z-Height:	8.5 mm
Cuvette Dimensions:	12.5 mm x 12.5 mm, up to 48 mm H
Path Length:	10, 5, 2, 1 mm
Type:	Masked cuvette
Absorbance Range:	0.002 – 1.5
Detection Limit:	0.4 ng/µl (dsDNA)
Maximum Concentration:	750 ng/µl (dsDNA)
Measurement Time:	< 3 seconds
Weight:	2.1 kg

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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