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Thermo Scientific NanoDrop Microvolume Instruments

Trusted by scientists worldwide, the Thermo Scientific™ NanoDrop™ instruments set the standard for microvolume analysis delivering accurate nucleic acid and protein sample concentration as well as sample purity information. Quantify and qualify DNA, RNA and protein samples in seconds using only 1-2 µL – no need for dilutions. Get one step closer to success with a NanoDrop instrument that's right for you!

UV-VIS spectrophotometers

NanoDrop One/One^{C}

Intelligent analysis, streamlined workflows

Accelerate discovery with the next generation NanoDrop One and NanoDrop One^{C} spectrophotometers that feature local control with a high resolution touchscreen interface and applications-based software designed for life science laboratories. Introducing the Thermo Scientific™ Acclaro™ Sample Intelligence technology to help researchers better understand sample quality for greater success in downstream applications.

NanoDrop 8000

Higher throughput, full-spectrum analysis

Displaying full-spectra for eight samples at a time, the NanoDrop 8000 is designed for higher throughput evaluation of precious samples. Use an eight-channel pipette to dispense samples from tubes or plates onto a linear array of pedestals to obtain measurement results in seconds.

NanoDrop Lite

Simple analysis, compact delivery

The NanoDrop Lite microvolume instrument is ideal for labs that want the trusted NanoDrop technology, but do not need the full performance or spectral data of the NanoDrop One spectrophotometers. Its compact design, with built-in controls and software make it small enough to fit on any benchtop.

NanoDrop 3300

Full-spectrum, versatile fluorescence

The NanoDrop 3300 brings the sensitivity and selectivity of fluorescence to microvolume samples, lowering the mass detection limit over conventional fluorometers. Using our patented sample retention system, the NanoDrop 3300 performs broad-spectrum fluorescence analysis in a versatile, high performance instrument.

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NanoDrop product selection guide

Choose the Thermo Scientific NanoDrop instrument to fit your laboratory needs and reliably quantify DNA, RNA and proteins in seconds.




	NanoDrop One/One^{c} UV-Vis	NanoDrop 8000 UV-Vis	NanoDrop Lite UV-Vis	NanoDrop 3300 Fluorescence
Measures 1-2 µL sample	√	√	√	√
Dynamic range (ng/µL dsDNA)	0.2 - 27,500 ng/uL for dsDNA	2.5-3,700 ng/uL for dsDNA	4-1,500 ng/uL for dsDNA	< 1 fmol (fluorescein)
Full-spectral data	√	√		√
Pre-programmed methods for nucleic acids and proteins	√	√	√	√
Measures nucleic acid A260/A280 ratio	√	√	√	
Measures nucleic acid A260/A230 ratio	√	√		
Measures purified protein A280	√	√	√	
Measures protein A260/A280 ratio	√	√		
Pre-programmed methods for colorimetric assays (BCA, Bradford, Lowry, Pierce 660)	√	√		
Custom Methods	√	√		√
Built-in cuvette option	√			
Standalone local control	√		√	
High-resolution touchscreen interface	√			
Measures fluorescently-labeled nucleic acid and protein samples using absorbance	√	√		
Measures a wide variety of fluorescence assays: RiboGreen™, PicoGreen™, GFP, BFP mutants, Hoechst, 4-MU, Quantum Dots, OPA, DyLite™, Alexa Fluor™, etc.				√
Measures multiple fluorophores from a single sample				√
Auto-Measure capability	√			
Contaminant identification	√			
Embedded technical support	√			
Enhanced connectivity (Wi-Fi and Bluetooth™)	√			

Find out more at **thermofisher.com/nanodrop**

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