

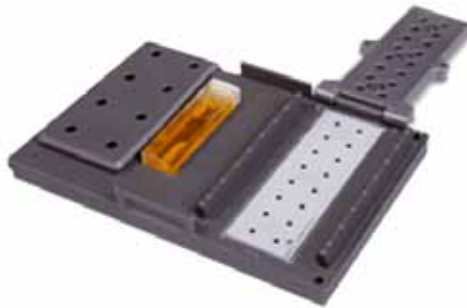
SPECTROstar Nano

Advanced Diode Array Full Spectrum Reader With Cuvette Port



- Ultra-Fast UV/Vis Spectrometer (220-100nm < 1 sec/well)
- Powerful/Easy-To-Use MARS Data Analysis Software
- Cuvette Port For Standard & Low Volume Cuvettes
- LVis Plate Allows For (16) Low Volume (2ul) Samples To Run At Once
- Multimode Shaking & Incubation
- Gas Vent For Atmospheric Sensitive Samples
- Robot Compatible

Experience the future of plate reader technology today with the new SPECTROstar Nano. This ultra-fast, full spectrum absorbance plate reader with cuvette port is perfect for all absorbance assays. In combination with the low volume LVis Plate, it can read 2 μ L samples of the most common absorbance assays such as ELISAs, DNA, RNA, protein (Bradford, BCA, Lowry), cell growth, and beta-galactosidase and more.

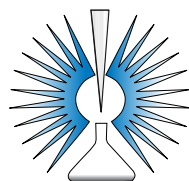


LVis Plate
for up to (16) low volume (2ul) measurements & instrument performance testing

Detection Modes	UV/Vis Absorbance Spectra
Measurement Modes	Endpoint & Kinetic Measurements Well Scanning
Microplate Formats	6- to 1536-Well Plates, User Definable
Microplate Carrier	Robot Compatible
Cuvette Port	Cuvette Port For Cuvettes With 10mm Path Length
Light Source	High Energy Xenon Flashlamp
Detector	Spectrometer With CCD
Range	Spectral Range: 220-1000nm Selectable Spectral Resolution: 1 to 10nm OD Range: 0 to 4 OD
Read Times	Full Spectrum (220-1000nm) < 1 sec/well
Shaking	Linear, Orbital & Double-Orbital
Incubation	+4°C Above Ambient Up To 45°C For Microplate & Cuvettes
Software	Multi-User Software Package Including Reader Control & MARS Data Analysis Software, FDA 21 CFR Part 11 Compliant
Dimensions	36cm x 50cm x 16cm (W x D x H); 10 kg
Gas Vent	System to inject an atmosphere or to pull a vacuum into the reader
Accessories	LVis Plate for low volume (2ul) absorbance measurements & instrument performance testing External manual barcode reader THERMOstar microplate incubator & shaker

Cat. No.	Description	Price
MR-1101	SPECTROstar Nano Advanced Ultra Fast, Full Spectrum Microplate Reader	CALL
MR-0501	SPECTROstar Nano Advanced Microplate Reader Control & Evaluation Software	CALL






Tools For Life Science Discovery



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Spectrometer & Monochromator Comparison Chart

	 SPECTROstar Nano	 NanoDrop® 2000c & 8000	 Spectra Max® Plus ³⁸⁴	 Multiskan® GO	 Biotek® Epoch™
Time To Measure A Full UV/Vis Spectrum	~1 sec/well or 1.5mins/96-well Plates	~ 2.5 secs/sample (max 8 samples)	~39 secs/well or 62 mins/plate*	10 secs/well or 16 mins/plate*	~31 secs/well or 50 mins/plate*
Spectrometer Detection	✓ 220-1000nm	✓ 220-750nm	✗	✗	✗
Built-In Cuvette Port	✓	✓ on 2000c	✓	✓ Option	✗
Low Volume Samples (2ul)	✓	✓	✗	✗	✓
1536-Well Microplates	✓ Option	✗	✗	✗	✗
Shaking - Linear, Orbital, Double Orbital	✓	✗	✓	✓	✗
Incubation Microplate	✓	✗	✓	✓ Linear Only	✗
Incubation Cuvette	✓	✗	✗	✗	✗
Gas Vent	✓	✗	✗	✗	✗
Well Scanning	✓	✗	✗	✗	✗
Robotic Friendly	✓	✗	✓	✗	✗
21CFR Part 11 FDA Compliant Software	✓	✗	✓ Option	✓ Option	✗
Miscellaneous Information	Ultra-Fast, UV-Vis Spectrometer With 1 nm Resolution Small Footprint	Limited Capacity of 1 to 8 samples Fast, UV/Vis Spectrometer Max λ: 750nm (NanoDrop 8000)	Single Band Pass Monochromator Of 2nm ± 1nm Footprint >2x Larger Than SPECTROstar	Single Band Pass Monochromator Of 2nm ± 1nm	Single Band Pass Monochromator Of 5nm ± 2nm

* For Multiskan® GO, based on 10s for a spectral scan per well; For SpectroMax®, based on two 2nm reads in a 96-well plate in 19 seconds; For Epoch™, based on (1) 5nm read in a 96 well plate in 15 seconds