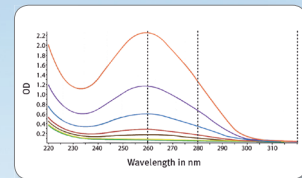


SPECTROstar Nano

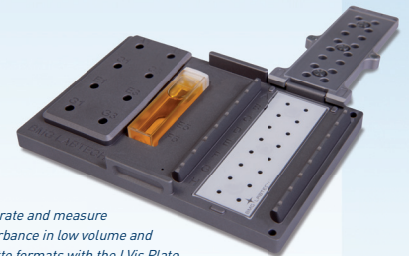


Instantly capture a full spectrum for low volumes, microplates and cuvettes

- Ultra-fast UV/Vis spectrometer
- Spectrum 220 - 1000 nm in <1 sec / well
- Microplate formats up to 1536 wells
- Cuvette port for standard and low volume cuvettes
- Low volumes down to 2 μ L
- Automatic path length correction
- Multimode shaking and incubation
- Well scanning, kinetic and endpoint measurements
- Gas vent for atmospheric sensitive samples
- Powerful MARS Data Analysis Software
- Robot compatible



DNA concentrations are automatically determined with the SPECTROstar-Nano. Collect all wavelengths simultaneously.

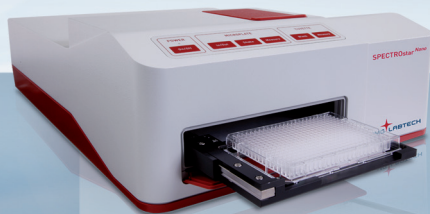


Calibrate and measure absorbance in low volume and cuvette formats with the LVIS Plate

BMG LABTECH

The Microplate Reader Company

SPECTROstar^{Nano} - Technical Specifications



Due to the modularity of BMG LABTECH's instruments, all or combinations of the features below can be installed at purchase or upgraded at any time. Please contact your local representative for more details or a quote.

Detection Modes	UV/Vis Absorbance Spectra
Measurement Modes	Endpoint and Kinetic measurements Well Scanning
Microplate Formats	6- to 384-well plates, user definable
Microplate Carrier	Single, robot compatible
Cuvette Port	Cuvette port for cuvettes with 10 mm path length Micro cuvettes, Traycell compatible Beam height 8.5 mm
Light Source	High energy xenon flashlamp
Detector	Spectrometer with CCD (back thinned UV enhanced, concave grating) Reference channel with photodiode
Range	Spectral Range: 220 to 1000 nm (Absorbance Spectrometer) Selectable spectral resolution: 1 to 10 nm OD range: 0 to 4 OD
Read Times	Full spectrum from 220 to 1000 nm in less than 1 sec/well
Shaking	Linear, orbital, and double-orbital User-definable time, speed and keypad control
Incubation	+4°C above ambient up to 45°C for microplate and cuvette
Software	Multi-user software package including Reader Control and MARS Data Analysis Software, FDA 21 CFR Part 11 compliant
Dimensions	Width: 36 cm, depth: 50 cm, height: 16 cm Weight: 10 kg
Options	1536-well plate format Gas vent: System to inject an atmosphere or to pull a vacuum into the reader
Accessories	LVis Plate: For low volume (2 µL) and cuvette based absorbance measurements. In addition allows for basic instrument calibration. External manual barcode reader THERMOstar: Microplate incubator and shaker

Huber & Co. AG
Kägenstrasse 14
4153 Reinach

T +41 61 717 99 77
F +41 61 711 93 42

info@huberlab.ch
www.huberlab.ch

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committed to science