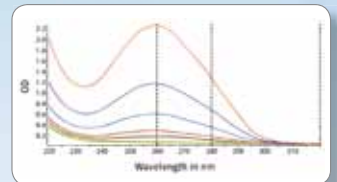


# SPECTROstar Nano

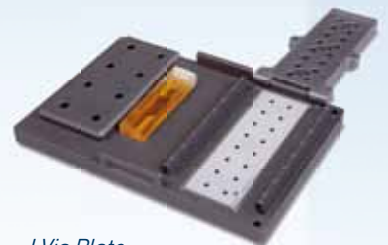


## Instantly capture a full absorbance spectrum for low volumes, microplates and cuvettes

- 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  $\mu$ 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 determined by collecting all wavelengths simultaneously*



*LVIS Plate for low volume (2  $\mu$ L) measurements and instrument performance testing*

**BMG LABTECH**

*The Microplate Reader Company*



## SPECTROstar<sup>Nano</sup> - Technical Specifications



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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.

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