

ELISA READER



DESCRIPTIONS

A microplate reader is used for the quantification of several biological and chemical assays in a microplate. Using a spectrometer, this new absorbance microplate reader captures a full UV-Visible spectrum (220 to 1000 nm) in less than 1 sec/well and measures sample volumes down to 2 μ L. The speed of the spectrometer, simple push button operation, and the capacity to design and save individual assay protocols give users an unmatched flexibility to optimize settings for all absorbance experiments.

A microplate reader detects light signals produced by samples which have been pipetted into a microplate. Microplate-based measurements detect light signals produced by a sample, converted by a sample, or transmitted through a sample. The signal is measured by a detector, usually a photomultiplier tube (PMT). PMTs convert photons into electricity that is then quantified by the microplate reader.

Further Information

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Brand-Model

SPECTROstar Nano, BMG Labtech

Basic Specifications

- Wavelength Range: 220 to 1000 nm
- Optical System: Inquire
- Measuring Time: less than 1 sec/well
- Plate Formats: 6 to 384 well plates, user definable
- Reading Modes: Endpoint, Kinetic Measurements, Well Scanning
- Temperature Control : (RT+4C) to 45C
- Quantity: EA

Equipment Website (Manufacturer)

<https://www.labcompare.com/2528-BMG-LABTECH/>

Types of samples

Liquid (in microtiter plate)

Location

Nutritional & Biochemistry Laboratory
(T02, 05-24-01)

Operator

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