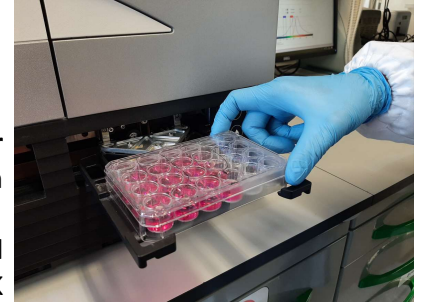
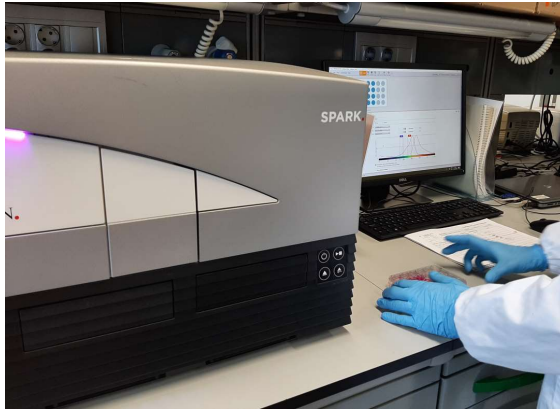


Manufacturer
Tecan

Model
SPARK



Multimode Microplate Reader



The SPARK from Tecan can provide a full range of leading detection methods. The Quad4 Monochromators of the Spark Multimode reader provides exceptional sensitivity and allows the user to select any wavelength from UV to NIR, and to perform absorbance, excitation and emission scans.

Users can access all wavelengths, and change from top to bottom reading, for easy measurement of multiplexed assays.

The reader offers several detection modes for sample measurements in 6- to 384- well plates:

- Absorbance by high-speed monochromator, with a wavelength range from 200nm to 1000 nm, selectable in 1 nm steps
- Fluorescence intensity TOP & BOTTOM reading by Quad4 monochromators and/or filters, including Time-Resolved Fluorescence (TRF)
- Spectrally enhanced photomultiplier tube (PMT) that extends emission wavelength range from 230-900 nm to 280-900 nm
- Luminescence scan and Multicolour luminescence
- Temperature control
- NanoQuant Plate™ allows rapid, straightforward measurement of 16 x 2 µl samples simultaneously without calibration

The SPARK Microplate Reader can be used for a wide range of biological assays and measurements including:

- DNA/RNA quantification
- protein quantification
- ion channel studies
- ion flux studies
- calcium ion detection
- reporter gene and gene expression assays
- cell viability and toxicity assays
- cell-based assays
- binding studies
- enzyme assays
- ELISA
- immunoassays
- fluorescence and luminescence applications
- TR-FRET / HTRF® applications