



Multimode Microplate Reader



The Infinite M200 PRO from Tecan can provide a full range of leading detection methods. The Quad4 Monochromators of the Infinite M200 PRO 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, PCR plates or cuvettes:

- Fluorescence intensity top reading including TRF, with automated z-adjustment.
- Enhanced fluorescence intensity bottom reading with OR (Optimal Read) function, including TRF.
- Spectrally enhanced photomultiplier tube that extends emission wavelength range from 330-600 nm to 280-850 nm.
- Absorbance
- Photon counting luminescence, including dual color luminescence.
- Temperature control
- With the Nano Quant Plate up to 16 samples with volumes as low as 2µl can be measured simultaneously.

The Infinite M200 PRO 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