

## Microplate Reader



**Brand:** TECAN

**Model:** Spark 10M

**Custodian:** Nij kramol

**Location:** K635 Room, 6<sup>th</sup> Floor, Chaloeprakiet Building, Phyathai Campus

### Description:

The Spark 10M multimode microplate reader is designed to offer greater flexibility and performance for cell biology and genomics customers. From microbiology research and cell-based assays to rapid DNA quantification, it delivers a combination of advanced capabilities – including precise regulation of environmental conditions and exceptional ease-of-use to simplify your daily work. It offers the choice of filter- or Quad4 Monochromators™-based measurements, as well as patent-pending High Speed Monochromators for absorbance scans.

**Detection:** Absorbance, Absorbance Scan, Fluorescence Intensity, Fluorescence Intensity Scan, Fluorescence Polarization (FP), Time-Resolved Fluorescence (TRF), Luminescence

### Specification:

Parameters	Characteristics
Measurement	Software controlled
Fusion Optics system	Monochromator and Filter (external filter exchange) based
Microplates	From 1 well to 384 well SBS plates
Temperature control	4 °C above ambient up to 42 °C.
Plate shaking	Linear, orbital and double orbital shaking
Injector	Two injector options with 1 ml syringe size
Light source	High energy Xenon flash lamp
Optics	Fused Silica Lenses
Fluorescence detector	Low dark current photomultiplier tube
Luminescence detector	Low dark count photomultiplier tube
Absorbance detector	Silicon photodiode