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Tecan Spark Microplate Readers

A platform that allows researchers to freely configure the reader to their current needs, and is fully upgradable to access other techniques and features in the future. Spark provides unparalleled wavelength accuracy, with a dedicated high speed monochromator for absorbance measurements. Together with a cuvette port and the patented NanoQuant Plate™, it provides an all in one solution for ELISAs, low volume DNA/protein quantification and fast spectral scanning. With its unique Fusion Optics for fluorescence, allowing any combination of filters or monochromators on both the excitation and emission sides for every measurement; users no longer have to choose between sensitivity or flexibility for your assays.

Spark options available:

- Absorbance cuvette, standard fluorescence
- "Fusion" optics (monochromator & filter together)
- Enhanced filter fluorescence
- Enhanced fluorescence "Fusion" optics (monochromator & filter together)
- ALPHA screen module
- Fluorescence polarisation
- Integrated lid lifter, CO₂ and O₂ gas regulation
- Cell imaging
- NanoQuant plate for low volume DNA/RNA Quant and "Te-Cool" temperature heating and cooling module

Code	Alt Ref	Description	Price
MIC9412	30137029	Configured with absorbance monochromator, standard filter based top fluorescence (including TRF/TR_FRET capability) and temperature control	£20209.00
MIC9414	30137030	Configured with absorbance monochromator, standard monochromator based top fluorescence (including TRF capability), standard luminescence and temperature control	£30944.00
MIC9416	30137031	Configured with absorbance monochromator, enhanced monochromator based top & bottom fluorescence, (including TRF/TR_FRET capability), multi colour luminescence, CO ₂ gas control and temperature control	£44398.00

Accessories

Code	Alt Ref	Description	Price
MIC9418	30125714/30125998	Spark plate stacker with 30 plate towers	£13010.00
MIC9420	30125714/30126071	Spark plate stacker with 50 plate towers	£13352.00
MIC9422	30086425	Single channel injector (requires "Injector Ready" option)	£3014.00
MIC9424	30086426	Dual channel injectors (requires "Injector Ready" option)	£4709.00

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YEARS

Tecan Sunrise Plate Readers

Supports a broad wavelength range from 340 to 750nm and can measure an entire 96 well plate in less than six seconds, ensuring it is ready to meet the needs of routine diagnostic and research labs.

- Ideal for colorimetric ELISAs, kinetic assays and agglutination readings
- Temperature control option for enzyme kinetics
- Tunable wavelength option for greater flexibility and wavelength scanning
- Powered by Magellan data analysis software
- Advanced curve fitting and QC functions, plus data export to LIS
- Advanced 12 channel optics for fast results
- Additional reference channel for optimising light intensity
- Prolonged lamp lifetime via auto switch off function when not in use
- Microplate shaking capability
- Ready for robotic integration
- Self-check of major components at instrument start up
- IQOQ tools and procedures available
- Designed to meet the IVD directive 98/79/EC and 2011/65/EU RoHS regulations
- Provides FDA 21 CFR Part 11 functionality via Magellan Tracker software