

ENDOSAFE® PLATE READERS

Tecan® Sunrise Plate Reader

Sunrise is a versatile microplate absorbance reader providing a range of features for applications required in the clinical diagnostic, biotechnology, and pharmaceutical industries. The reader design of a 12-channel optical module guarantees high quality and excellent optical performance, as well as fast, reproducible, and accurate measurements. Options include precise temperature control that is homogenous across a plate and different filter slides for a fully-customized instrument configuration.

Features of Sunrise

- Advanced temperature control
- Read to 4.0 absorbance (linear to 3.0 absorbance)
- Small footprint
- Front-load filter sides for easy access
- Robotics compatibility
- 3-year warranty
- Compatibility with Endosafe® EndoScan-V® software

Accessories Included

- 340, 405, 450, and 630 nm filters
- Operator's manual
- Serial cable, null modem:
9-pin female to 9-pin male cable

Sunrise Options

- QC-Pac 2 calibration plate and software
- Magellan™ data analysis software
- Wide range of filters available
- Endosafe® Temperature Logger to validate temperature uniformity

Sunrise Specifications	
Measurement speeds:	6 seconds (single wavelength) 8 seconds (dual wavelength)
Wavelength range:	340-750 nm
Measurement range:	0-4.0 OD (@400-750 nm) 0-3.0 OD (@340-399 nm)
Accuracy:	0-2.0 OD @492 nm: > +1.0% & +0.010 OD 2.0-3.0 OD @492 nm: > +1.5% & +0.010 OD
Linearity:	0-2.0 OD @400-750 nm: better than +1.0% 2.0-3.0 OD @400-750 nm: better than +1.5% 0-2.0 OD @340-399 nm: better than +2.0%
Precision:	0-2.0 OD @492 nm: >0.5% & +0.005 OD 2.0-3.0 OD @492 nm: >1.0% & +0.005 OD
Resolution:	0.001 OD
Dimensions:	34 cm D x 28.5 cm W x 28.5 cm H



ENDOSAFE® PLATE READERS

BioTek® ELx808 IU™ Plate Reader

The ELx808 IU™, manufactured by BioTek® Instruments, is an absorbance microplate reader that provides the flexibility to manipulate and analyze data. The ELx808 IU™ comes equipped with an on-board diagnostic self-test and calibration test plate to confirm and document reader performance. All calculations are performed automatically. The ELx808 IU™ utilizes fast kinetics to measure in intervals as short as 6 seconds. A 4-Zone™ Temperature Control system and unique heated track/carrier design provide for minimal evaporation and edge effect. The ELx808 IU™ incorporates a staggered optical design to eliminate channel-to-channel cross talk.

Features of the ELx808 IU™

- Advanced temperature control
- 1-year warranty
- Stores up to 55 assay definitions in memory
- Compatibility with Endosafe® EndoScan-V® software
- Saves test results and standard curves in memory
- Optional language versions: English, French, German, Italian, Portuguese and Spanish

Accessories Included

- 340, 405, 450, and 630 nm filters
- Dust cover
- Parallel printer cable: 25-pin male to 36-pin male
- Operator's manual
- Serial cable, null modem: 9-pin female to 25-pin female

ELx808 IU™ Options

- BioTek® calibration plate
- Absorbance test plate
- KC4™ data analysis software
- Wide range of filters available
- Endosafe® Temperature Logger to validate temperature uniformity

Biotek® ELx808 IU™ Specifications	
Measurement speeds:	8 seconds (single wavelength rapid mode) 12 seconds (regular mode) 6 seconds (minimum kinetic interval)
Wavelength range:	380-900 nm 340-900 nm ("UV" option)
Measurement range:	0-4.0 OD (@400-750 nm) 0-3.0 OD (@340-399 nm)
Accuracy:	+/- 1% at 2.5 OD typical +/- 2% at 3.5 OD typical
Linearity:	+/- 1% at 2.5 OD typical
Repeatability:	+/- 0.5% at 2.5 OD typical +/- 1.5% at 3.5 OD typical
Dimensions:	40.6 cm D x 39.4 cm W x 22.2 cm H

