

INNO-S™

Absorbance, Luminescence & Fluorescence Microplate Reader



Wide selections with different wavelengths for the fluorescence filters



Optional product is available with INNO-S

Technical Details

Detection modes	Fluorescence (top and bottom), Time-resolved fluorescence, Luminescence, UV-Visible absorbance
Read methods	End point, Kinetic, Spectral scanning, well-area scanning for Absorbance. Luminescence and fluorescence are available with End point, kinetic and area scanning.
Microplate types	6 to 384 well plates and NANO-VC™
Temperature control	Incubation up to 50°C ; ±0.5°C at 37°C
Shaking function	Linear & Orbital with 4 different speeds
Software	INNO-X™ (basic software) & INNO-XS™ (21 CFR part 11 Compliance software) (Optional)

Physical Characteristics

Connectivity	1 USB, 1 RS232 for external PC control
Power	100 – 240 Volts AC. 50/60 Hz
Dimension (mm)	408W x 390L x 290H
Weight	18.2 kg

Time-Resolved Fluorescence

Light source	High power LED
Wavelength selection	Filter

Regulatory

CE and RoHS compliant, ISO 9001, ISO 13485, ISO 14001, RoHS, IVD, and 21 CFR part 11 compliance software

Applicable optional products

Reagent Injector(INNO-D)	<ul style="list-style-type: none"> • 2 Syringe pumps • 15 ~ 1000µL • Minimum prime Vol. 1.1mL. 100µL with back flush
Read methods	<ul style="list-style-type: none"> • 2~ 2.5µL total 24 wells • 2.5ml cuvette holder • DNA/RNA, Lysozyme, DsDna, and Etc
Microplate types	<ul style="list-style-type: none"> • Absorbance linearity and accuracy QC • Luminescence linearity and crosstalk QC • Fluorescence linearity QC

Specifications

Certifications

- CE Marked
- ISO 9001 / ISO 13485 / ISO 14001
- RoHS
- IVD
- 21 CFR part 11 Compliance software



Absorbance	
Light source	Xenon flash lamp
Detector	Photodiode
Wavelength selection	Monochromator
Wavelength range	200 - 999 nm, 1 nm increments
Dynamic range	0-4.0 OD
Resolution	0.0001 OD
Monochromator wavelength accuracy	±2 nm
Monochromator wavelength repeatability	±0.2 nm
OD linearity	<1% from 0 to 3.0 OD
OD repeatability	< 0.5% at 2.0 OD

Fluorescence Intensity	
Sensitivity	Top and Bottom : Fluorescein 5 pM (1 fmol/well, 96-well plate)
Light source	High Power Led (Life time - 100.000 hours)
Wavelength selection	Filters
Wavelength range	350 - 750 nm
Dynamic range	>6 decades
Detector	PMT

Luminescence	
Sensitivity	Sensitivity - 10 amol ATP(FLASH) - Multi-mode
Wavelength range	200 - 900 nm
Dynamic range	>6 decades
Detection system	Low noise PMT
Peak wavelength	410 nm
Limit of Detection (moles)	10 amol