

INNO-M

Multimode Microplate Reader (Absorbance + Luminescence)



Description

- Multimode (Absorbance + Luminescence)
- 200nm to 999nm wavelength range
- Wavelength selection monochromator
- Xenon flash lamp for a semi-permanent lifetime

Certifications

- CE Marked
- RoHS
- ISO 9001 / ISO 13485 / ISO 14001

Specification

Absorbance

Wavelength accuracy	±2nm	Dynamic range	0~4.0 OD
Electrical requirements	INPUT 100 to 240V 50 / 60Hz / (65W Adaptor)	Resolution	0.0001 OD
Microplate type	6- to 384-well plates	OD accuracy	0~2 OD ± 1%
Detector	Photodiode	OD linearity	0~2 OD ± 1%
Light source	Xenon flash lamp	OD repeatability	0~2 OD ± 1%
Wavelength range	200~999 nm, 1 nm increments	Shaking	Two step speed
Wavelength selection	Monochromator	Application	End point, Kinetic, Spectral scanning, Well-area scanning

Luminescence

Wavelength range	300~700 nm
Detection system	PMT
Sensitivity	10 amol ATP
Peak wavelength	410 nm

Others

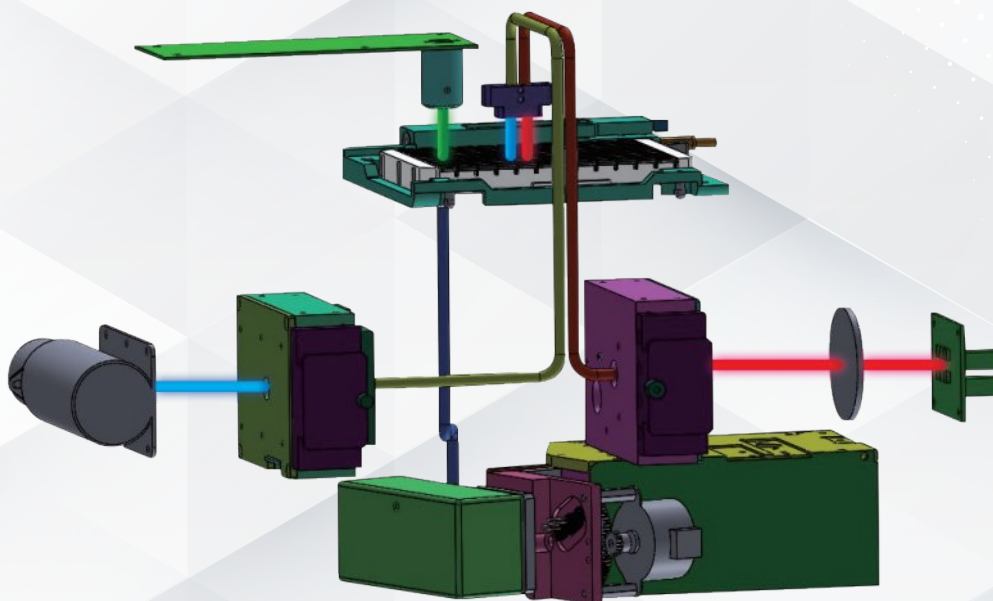
Software	INNO-X (Windows Software)
Supported software regression	Linear, Quadratic, Cubic, Log, Exponential, Point-to-point, 4PL
Weight	8kg
Size	333W x 303L x 245H

Applicable optional products

Microvolume Plate (NANO-VC)	• Nucleic acid and protein quantification with DNA/RNA, Lysozyme, dsDNA, ssDNA, Etc. • 2-2.5µL sample capacity with 24 wells • 2.5ml cuvette holder
Quality Check Plate (INNO-Q)	• Absorbance linearity, accuracy, and alignment QC

INNO-M™

Monochromator and filter optics



LTEK's INNO-M is an innovative Multimode Microplate Reader for Absorbance and Luminescence. It is designed for a wide range of applications, making it a versatile device for your research. It offers a wide wavelength spectrum and the convenience of using a monochromator to eliminate the need for filter selection. It uses a xenon flash lamp, known for its long life and durability, for semi-permanent use. It offers two-speed shaking modes not found in Multimode Microplate Reader for Absorbance and Luminescence.

With user-friendly software included as standard, LTEK's INNO-M allows you to easily optimize all settings in your experiments. Optional nanovolume plates and quality check plates are available for your convenience. Experience accurate measurements for a wide range of experiments, all at an affordable price.

Main Features

- 01 Multimode (Absorbance + Luminescence)
- 02 Monochromator-based UV-Vis Absorbance
- 03 200 nm to 999 nm wavelength range
- 04 Xenon flash lamp for a semi-permanent lifetime
- 05 Two-step speed Shaking mode
- 06 2 μ L low volume nucleic acid & protein quantification with NANO-VC™ Plate (Option)
- 07 Provides INNO-X™ software with unlimited license and free software upgrade

INNO product line series configuration chart

	INNO	INNO-M	INNO-SA	INNO-SF	INNO-S	INNO-HD	INNO-HM	INNO-HML	INNO-H
Absorbance (Monochromator)	0	0	0		0		0	0	0
Luminescence (Filter)		0		0	0	0			0
Luminescence (Monochromator)								0	0
Fluorescence (Filter)				0	0	0			0
Fluorescence (Monochromator)							0	0	0
TRF				0	0	0	0	0	0
Dichroic Intensity						0			0
Fluorescence Polarization						0			0
Shaking	0	0	0	0	0	0	0	0	0
Incubation			0	0	0	0	0	0	0
Dual Injector			0	0	0	0	0	0	0

Optional Accessories



INNO-Q (Option)

- Absorbance Quality Check Plate for accuracy, linearity, and alignment

INNO-QM (Option)

- Absorbance, Luminescence, and Fluorescence Q.C plate
- Abs – 9 Wells: 0.14 to 2.2 OD @ 450 nm
- Fluo – 8 wells: Read EX 485 nm / EM 530 nm or EX 540 nm / EM 590 nm
- Lumi – 9 wells: Approximate four-decade dynamic range standard

NANO-VC (Option)

24 Wells DNA/RNA/Protein Quantitative Measurement

Using 2µL of DNA/RNA samples, quantitative measurement is possible. This also helps the users to understand or interpret the unknown or unspecified samples by measuring from 240 to 320 nm with 2 nm steps. A total of 2µL 24 wells allow you to measure variety types of samples at the same time.

dsDNA, RNA, ssDNA, 1Abs at 1cm = 1 mg/ml

BSA, IgG, Lysozyme, and other samples are measurable.

Specification

2µL Sample capacity	24 wells
Cuvette capacity	1 slot
Cuvette size	2.5 ml tube
Compatible model	All LITEK Microplate Reader series
Optical path length	0.5 mm
Detection limit	2 ng/pl dsDNA

