



LuBi

Microplate Luminometer

LuBi is a Microplate Luminometer that detects lights from chemiluminescent reaction within samples, and measures the quantity of specific gene (DNA, RNA). With combination of Advanced PMT (Photomultiplier Tube) Technology & Optional Auto Injector Systems, it allows users to perform the test with great precision. It also features multi-plate option for 6, 12, 24, 48, 96 Well Microplates.

Feature

Detection & Measurement

The Advanced Photomultiplier Tube (PMT) Technology & elaborate Photon Counter ensure Sensitivity and superb Linear Dynamic Range. Due to maximum optical measurement stability, internal or external calibration is not required.

Features

- Optional Auto Injection Systems (up to 2)
- Can operate both Flash & Glow type measurements
- High Sensitivity & Fast Measurement
- Multi-plate Option: 6, 12, 24, 48, 96 well

User Interface

- Easy Step-by-step Protocol Setup
- Various types of Scan & Detection Modes
- Auto export to Excel
- Automatically calculate and create statistics of the results

Package

Type	Cat. No.	No. of Injectors	
96 Well Microplate	MD-3-40-LUBN-101	0	
	MD-3-40-LUBN-111	0	
	MD-3-40-LUBN-201	1	
	MD-3-40-LUBN-211	1	
	MD-3-40-LUBN-301	2	
	MD-3-40-LUBN-311	2	
Multi-plate (6, 12, 24, 48, 96)	MD-3-40-LUBM-101	0	
	MD-3-40-LUBM-201	1	
	MD-3-40-LUBM-301	2	
Customization	MD-3-40-LUBC-101		

Incubator (Optional)	MD-3-40-LUBI-101	
QC Plate	MD-3-40-AMVN-101	

Specification

Microplate Luminometer

Limit of Detection (in moles of luciferase)	3×10^{-21} moles
Linear Dynamic Range	$> 1.0 \times 10^7$
Crosstalk (with White Plate)	$< 3.0 \times 10^{-5}$
Detector	Photomultiplier Tube (PMT)
Spectral Response Range	350-650nm
Peak Wavelength	420nm
Injectors	Up to two (Optional)
Injection Volume	25-1,000 $\mu\ell$
Injection Precision	CV < 1%
Injection Increment	1 $\mu\ell$
Computer Interface	USB
Software Requirement	Microsoft Windows XP, Vista or 7
Program Requirement	Microsoft Excel
Power	AC85 - 264V/0.5A/150W
Dimension	544x561x275mm (21.4"x22.1"x10.8")
Weight	28.6kg (63.1lb)
Operating Temperature	15-40°C
Warranty	1 Year

Microplate Incubator

Temperature Control Range	15-40°C
Temperature Precision	<0.2°C
Capacity	4 Microplate
Ramp Up Time	<30 minutes for the sample/control module in
Dimension	257mm x 260mm x 317mm (D x W x H)
Power	110 - 220V, 350V
Warranty	1 Year