

# MPL1 Microplate Luminometer

If you need a robust, easy to use luminometer for your microplate assays, this is the right instrument for you.



*Intuitive set-up and operation*



*Flexible – MPL1 works with all commercial luminescence-grade 96-well microplates.*



## A Reliable Instrument

The MPL1 Microplate Luminometer is compact, easy to use and reliable. More than 2,500 laboratories have chosen to utilize this instrument platform. Satisfaction is guaranteed. Join the community of satisfied users.

## Many Applications

The MPL1 Microplate Luminometer was designed for all glow applications that are performed in 96-well microplates. Most customers chose the MPL1 for Chemiluminescence Immunoassay, Infectious Disease testing using DNA or RNA probe technology, or ATP assays.

## A Dependable Partner

The MPL1 is a worthwhile investment for any lab. It requires minimal maintenance. Our superior technical support team is available to offer assistance with set-up and optimisation of your specific measurement parameters. Together with our certified distribution partners, we will provide the answer to your questions, fast.

*Optional Luminescence TestPlate for instrument validation.*



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Well	1	2	3	4	5	6	7	8	9	10	11	12
A	45506	0	0	2	0	0						
B	0	0	0	0	26	0						
C	0	0	2	0	10	0						
D	0	0	0	0	2							
E	0	2	2	0	0							
F	0	64330	6	2	2							
G	0	0	0	24402	0							
H	18614	2	0	0	0							

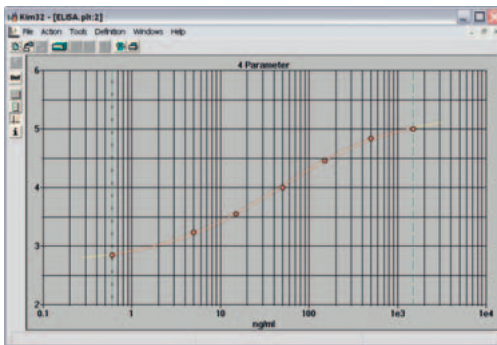
MPL1 is supplied with two software packages:

## Simplicity software

This package is designed to measure raw data and display results. It supports automatic export into Microsoft Excel spreadsheets.

## KIM software

This package is designed for comprehensive qualitative and quantitative evaluation tasks. For a detailed description, see the KIM software flyer.



## Technical Data

<b>Sample Format</b>	96-well microplate, opaque in solid or strip format.
<b>Detector</b>	Photomultiplier tube with bialkali cathode, effective spectral sensitivity range 300–600 nm.
<b>Sensitivity</b>	ATP Assay: 1 fmole ATP (SL Assay: BioThema, Sweden).
<b>Crosstalk</b>	Less than $3 \times 10^{-5}$ (spillover from adjacent well).
<b>Dynamic Range</b>	6 decades.
<b>Measuring Time</b>	1 s per well. Cycle time for a 96-well microplate ca. 120 s.
<b>Interfaces</b>	Serial interface (RS-232) for PC. Optional USB-adaptor.
<b>Dimensions</b>	Instrument: H: 13.9 cm, W: 40 cm, D: 49 cm. Transport Package: H: 26 cm, W: 50 cm, D: 61 cm.
<b>Weight</b>	17 kg.
<b>Power</b>	230 V 50 Hz; 115 V 60 Hz.
<b>Power Consumption</b>	30 VA.
<b>Storage Temperature</b>	0–40°C.
<b>Operating Temperature</b>	10–35°C.
<b>Humidity</b>	10–80% (non condensing).
<b>Instrument Validation</b>	Luminescence TestPlate with 14 light emitting diodes (optional), IQ/OQ/PQ package (optional).

Regulatory compliance: CE, UL, CUL, FDA listed, SFDA registered.



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