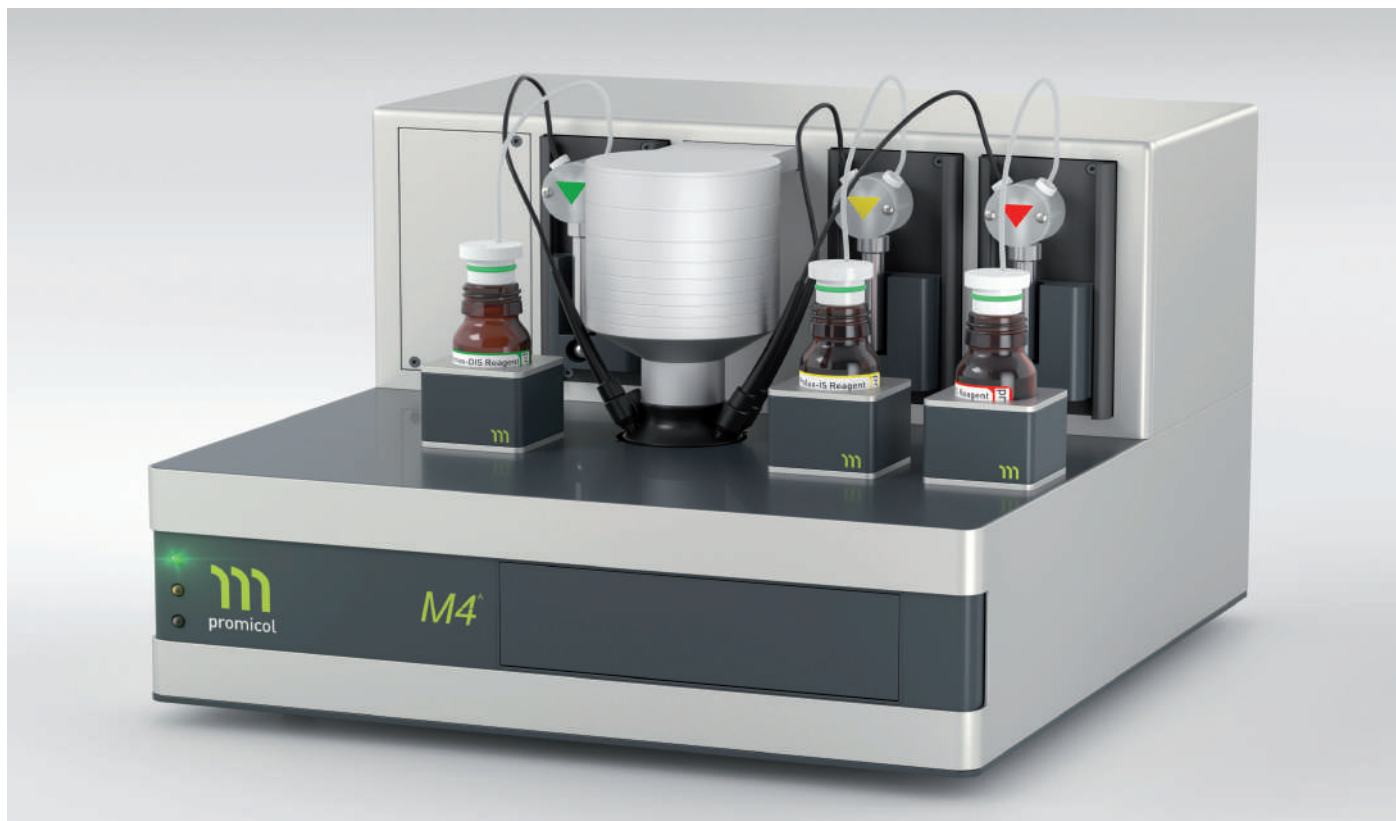


Promilite M4A



Compact, desktop, PC-controlled microplate luminometer

Specially designed for ATP Bioluminescence

Low noise single photon counting photomultiplier

High sensitivity

Unique mechanical design and geometry

Available with 2, 3 or 4 injectors

Programmable shaking

Up to 700 samples per hour

Specifically designed software

Password protected administrator mode

Very simple and flexible set-up of the measurement

Intelligent reagent tracking

Colour coded, automated result interpretation

Improved data security

Flexible data search and export

Automatic backup and archive features



Technical Specifications

Sample format:	96 well microplate, opaque in solid or strip format
Detector:	photomultiplier tube with bi alkali cathode, effective spectral sensitivity range 300 - 630 nm, operated in photon counting mode
Sensitivity:	20 attomole ATP
Crosstalk:	less than 3×10^{-5}
Dynamic range:	6 decade measuring
Measurement time:	0.1 s - 100 s per well
Injectors:	2, 3 or 4 injectors available; 2 injectors in pre-position, 2 in measurement position
Injection volumes:	50 - 200 μ l
Tubing:	chemically inert PTFE tubing and connectors (PTFE; KEL-F; Glass; PS), easily exchangeable liquid handling system and tips; minimal dead volume due to short reagent lines
Shaker:	linear and orbital shaking with duration and repeat interval
Automation:	compatible to all known microplate transfer devices and Promicor ASTS robot
Interfaces:	serial interface (RS - 232) and USB interface for PC
Dimensions:	w 380 mm, d 395 mm, h 260 mm
Weight:	approx 22 kg
Power:	230 V, 50 Hz; 115 V 60 Hz
Power consumption:	30 VA, maximum approx 60 VA (4 injectors)
Operating temperature:	10 °C - 30 °C
Humidity:	10 % - 80 % (no condensation)