

# Lucetta™ 2 Luminometer

## Convenient and Simple Mycoplasma Detection



The Lucetta™ 2 Luminometer is a single tube luminometer developed for the detection of bioluminescence and chemiluminescence. It can be used as a portable battery-operated instrument as well as with an external power supply and is suitable for detecting all luminescence. It is designed with a specific mode for using Lonza's MycoAlert™ Mycoplasma Detection Assays and can also be used for many other luminescence-based assays, such as cell proliferation and cytotoxicity assays or luciferase reporter gene assays.

### Benefits

- Small, portable tube luminometer
- Stand-alone instrument without PC requirements
- High sensitivity and linearity
- Two basic measurement modes including one specific mode for running MycoAlert™ Mycoplasma Detection Assays
- High data storage capacity with maximum storage of up to 2,000 single sample readings
- Broad range of applications, e.g. ATP-based cell proliferation or cytotoxicity assays, or luciferase reporter gene assays

### Easy-to-use

- Can be used as a portable battery-operated luminometer
- Lightweight instrument with small footprint
- No computer required

### High sensitivity and linearity

- Detection of less than 3 fmol ATP
- Dynamic range of 6 orders of magnitude

### Two basic measurement modes

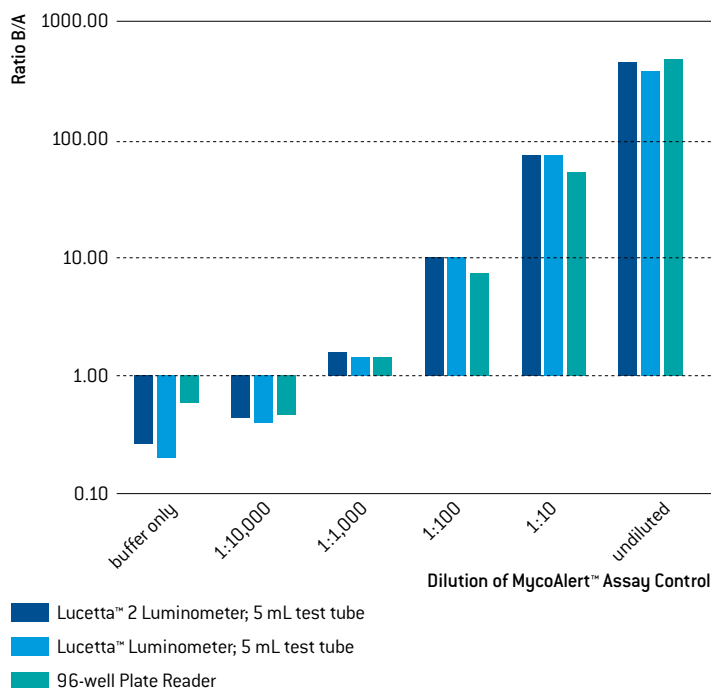
- Specific mode for running MycoAlert™ Mycoplasma Detection Assays
- Quick single read mode for unprocessed luminescence readings

### High data storage capacity & PC upload option

- Internal memory with maximum storage of up to 2,000 single sample readings
- Optional transfer of sample results to a PC via Lucetta™ Connect software for viewing and analyzing results in Microsoft® Excel®

## Broad range of applications

- MycoAlert™ PLUS and MycoAlert™ Mycoplasma Detection Assays
- ATP assays, e.g. ViaLight™ Cell Proliferation and Cytotoxicity Assay
- Adenylate Kinase assays, e.g. ToxiLight™ Non-destructive Cytotoxicity Assay
- Luciferase reporter gene analysis



**Figure 1:** Dose response measurement of the Lucetta™ 2 Luminometer using MycoAlert™ Assay Control. MycoAlert™ Mycoplasma Detection Assays were conducted for samples containing different amounts of positive MycoAlert™ Control Reagent. Triple measurements were performed in parallel on three different luminometer instruments: Lucetta™ 2 Luminometer, the previous Lucetta™ Luminometer version and a 96-well plate reader.

Would you like to see it live? Request your personal on-site demo:

[www.lonza.com/lucetta-2-live](http://www.lonza.com/lucetta-2-live)

## Ordering Information

Cat. No.	Description
AAL-1002	<a href="#">Lucetta™ 2 Luminometer</a>
<b>Technical Specifications</b>	
Dimensions:	150 x 280 x 170 mm (w x d x h) (5.9 x 11.02 x 6.69 in)
Weight:	Approx. 2 kg (4.4 lbs)
Power supply input:	100-240 V AC, 50-60 Hz
Output:	5.9-6 V DC / 2.1 A
<b>Related Products</b>	
SAAF-1003	<a href="#">Lucetta™ Connect Software</a>
LT07-118	<a href="#">MycoAlert™ Mycoplasma Detection Kit (10 tests)</a>
LT07-701	<a href="#">MycoAlert™ PLUS MycoAlert Detection Kit (10 tests)</a>
LT07-221	<a href="#">ViaLight™ Plus Cell Proliferation and Cytotoxicity BioAssay Kit (500 tests)</a>
LT07-217	<a href="#">ToxiLight™ Non-destructive Cytotoxicity BioAssay Kit (500 tests)</a>

For further product information [www.lonza.com/lucetta-2](http://www.lonza.com/lucetta-2)

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Manufacturer and distributor information: The Lucetta™ 2 Luminometer is manufactured by Berthold Technologies GmbH & Co. KG (Calmbacher Str. 22, 75323 Bad Wildbach, Germany) and distributed by Lonza Cologne GmbH (Nattermannallee 1, 50829 Cologne, Germany) and Lonza Walkersville, Inc. (8830 Biggs Ford Road, Walkersville, MD 21793).

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