

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

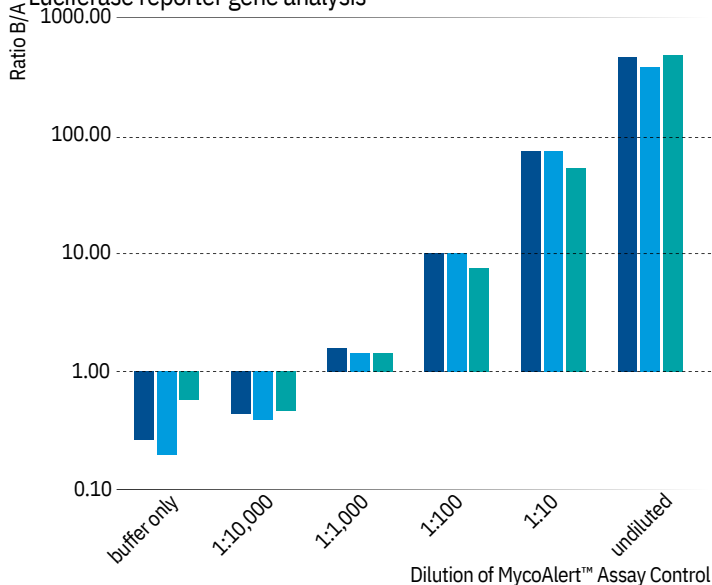
- Internal memory with maximum storage of up to 2,000 single sample readings
- Optional transfer of sample results to a PC via Lucetta™ Connect software for viewing and analyzing results in Microsoft® Excel®



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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



Lucetta™ 2 Luminometer; 5 mL test tube

Lucetta™ Luminometer; 5 mL test tube

96-well Plate Reader

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

Ordering Information

Cat. No.	Description
AAL-1002	Lucetta™ 2 Luminometer
Technical Specifications 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	
Related Products SAAF-1003 Lucetta™ Connect Software LT07-118 MycoAlert™ Mycoplasma Detection Kit (10 tests) LT07-701 MycoAlert™ PLUS MycoAlert Detection Kit (10 tests) LT07-221 ViaLight™ Plus Cell Proliferation and Cytotoxicity BioAssay Kit (500 tests) LT07-217 ToxiLight™ Non-destructive Cytotoxicity BioAssay Kit (500 tests)	

For further product information 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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CD-TS105 01/19

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