

For MycoAlert™ Mycoplasma Detection Assay

Lucetta™ Luminometer Quick Start Guide

Supporting operating instructions for the Lucetta™ Luminometer are available on the accompanying CD or at www.lonza.com/lucetta. Full kit instructions can be downloaded from www.lonza.com/mycoalert.

Working Step

1. Spin cell sample at 400 xg for 5 minutes.

Transfer 100 µL of cleared supernatant into a fresh luminometer tube.

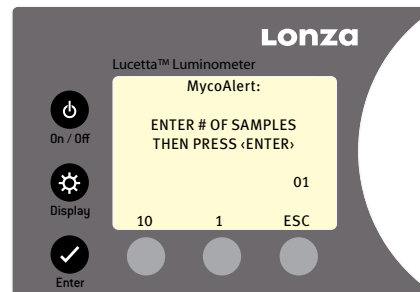
Reconstitute MycoAlert™ Reagent and MycoAlert™ Substrate for 15 minutes

Select Program "RUN MycoAlert" and press ENTER.



2. Enter number of samples.

Note: For convenient sample handling not more than 5 samples are recommended.



3. Add 100 µL MycoAlert™ Reagent to each sample.

Press DONE.

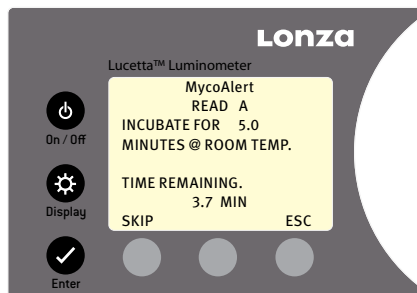


Working Step

4. Luminometer will count down 5 minutes.

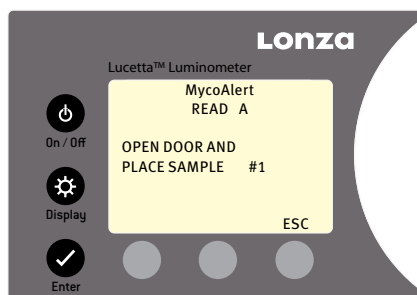
A beep occurs at the end of the count-down.

Note: If you want to control the incubation time manually you can interrupt the automatic count down by pressing SKIP.



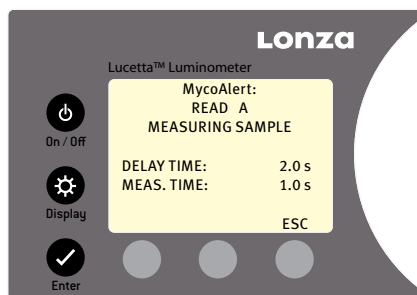
5. Press CONTINUE, open door and place **sample 1** in holder.

Close Door



6. Luminescence measurement (**Read A**) automatically starts after a delay of 2 s.

The measuring time is 1 s.



7. See measured RLU/s value for Read A of **sample 1**.

Press CONTINUE.

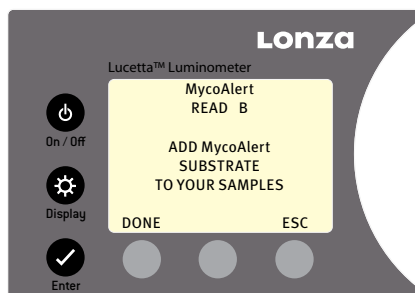
Repeat steps 5 – 7 for all samples.



Working Step

8. Add 100 µL MycoAlert™ Substrate to each sample.

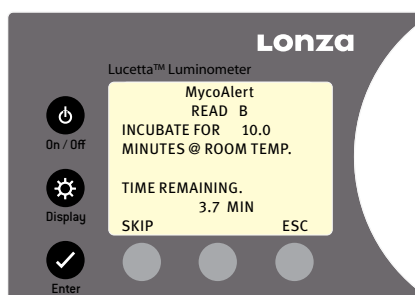
Press DONE.



9. Luminometer will count down 10 minutes.

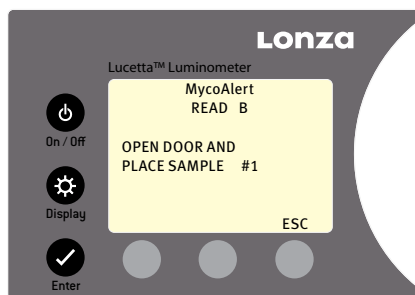
A beep occurs at the end of the count-down.

Note: If you want to control the incubation time manually you can interrupt the automatic count down by pressing SKIP.



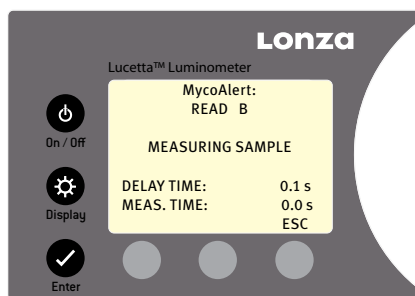
10. Press CONTINUE, open door and place **sample 1** in holder.

Close Door.



11. Luminescence measurement (**Read B**) automatically starts after a delay of 2 s.

The measuring time is 1 s.



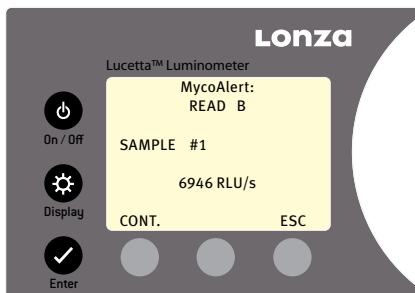
www.lonza.com/research
www.lonza.com/lucetta
www.lonza.com/mycoalert

Working Step

12. See measured RLU/s value for Read B of sample 1.

Press CONTINUE.

Repeat steps 10 – 12 for all samples.

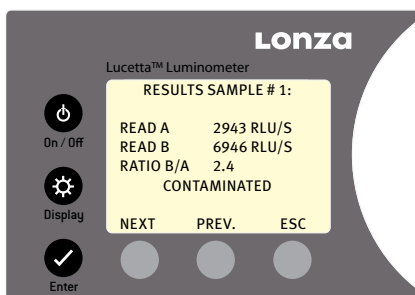


13. Note results and contamination status for sample 1.

Ratio B/A > 1.2 CONTAMINATED
Mycoplasma contamination

Ratio B/A < 0.9 CLEAN
Negative for mycoplasma

Ratio B/A 0.9 – 1.2 BORDERLINE
Quarantine cells and retest in 24 h.



Note: When using the newer MycoAlert™ PLUS Assay the threshold between clean and borderline is 1.0 (not 0.9 as for the standard MycoAlert™ Assay). This difference will not be reflected by the current software version of the Lucetta™ Luminometer.

Press ESC to return to main screen.

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