

Mycoplasma Detection Assay Results

Enclosed you will find the results of a rapid mycoplasma assay performed on your samples. The test we use is the MycoProbe kit from R&D Systems that captures and detects the 16S ribosomal RNA of the most common strains of mycoplasma.

If mycoplasma is present in your sample, the kit produces a color change, which is measured using spectrophotometry. The file contains calculated, corrected, and averaged OD values of the test samples, which are proportional to the amount of Mycoplasma 16S rRNA present.

To interpret your results, refer to the following table:

Calculated OD	Result	Interpretation
<0.05	Negative	No mycoplasma detected.
0.05 – 0.10	Inconclusive	Sample is suspect for mycoplasma. Continue to culture for an additional 2-3 days and submit for test. If sample gives similar OD, then no mycoplasma is detected.
>0.10	Positive	Mycoplasma detected.

Mycoplasma species detected by the kit:

• <i>M. hyorhinis</i>	• <i>M. pirum</i>
• <i>M. arginini</i>	• <i>M. hominis</i>
• <i>M. fermentans</i>	• <i>M. salivarium</i>
• <i>M. orale</i>	• <i>M. laidlawii</i>

Submission Requirements:

We are able to test for the presence of mycoplasma both in a sample supernatant or cell pellet.

- To test a supernatant sample, we suggest you not feed the culture for at least two days prior to the collection of the sample. You can submit a sample of 100-200uL either fresh or frozen.
- To test a cell pellet sample, please provide an aliquot with the final concentration of 1.25×10^6 cells/mL. If this is unavailable, please clearly mark the cell count or concentration on either the order form or the vial. If no information is provided, we will assume the standard requested concentration.

These steps are necessary to ensure accurate results.

For questions or concerns, please contact:

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