

Mycoplasma Testing Service

CytoSpring's Mycoplasma testing is a PCR-based assay, which uses primer pair that detects most Mycoplasma species in extracts made from cells or other biological specimen. This assay is very sensitive and detects as few as 10 copies of genomic DNA in the sample.

Species that can be detected by our PCR based assay make up the most commonly encountered agents of tissue culture infections, which include: *M. arginini*, *M. fermentas*, *M. hominis*, *M. hyorhinitis*, *M. pirum*, *M. salivarium*, *M. orale* and *A. laidlawi*. In addition, the assay may also detect the presence of other related, less common species, which has not been specifically tested.

Please note that CytoSpring offers Mycoplasma testing service for research & development purposes only. We do not accept culture sample(s) containing HIV or BSL 3 or 4 agents for Mycoplasma testing.

Samples format/amount required

1. Cells
 - Freshly cultured cells: ~0.5 to 1x10⁶ cells per sample
 - Frozen cell stocks: ~0.5 to 1x10⁶ cells per sample
2. Non-cell specimens can be serum, buffer, enzyme solution, or medium: 0.25ml per sample

Procedure for submitting samples for Mycoplasma testing

*Use filtered tips to avoid cross contamination

1. For ongoing culture, grow cells continuously for a week in the absence of antibiotics. Passage cells as needed during this period.
2. Count and submit 1x10⁶ cells per sample (in medium or PBS). Use 1.5 ml sterile microcentrifuge tube. Be sure sample label is readable and clear. Please contact us if your sample size is limited, most of them may still be evaluated.
3. If there are more than one sample, number samples sequentially. Keep samples at 4°C.
4. Submit your Mycoplasma testing service form. Make sure sample number matches numerically with your input on the form.
5. Ship cultured cells with pre-chilled ice pack, and frozen cells with cryoprotectant in dry ice to us via next day service. Non cell specimens can be shipped in dry ice or pre-chilled ice pack.

Test Result A summary report will be sent in 5-10 business days upon receiving of samples as a link file via email.

Cost of testing

	Mycoplasma Testing			
Sample Numbers	1-3	4-6	7-9	≥10
Price Per Sample	\$125	\$110	\$100	\$95