

Tribio Mycoplasma Express qPCR Test Service Report

Report Type: Research Use Only (RUO)
 Turnaround Time: 48 hours
 Report Date: xx-xx-2026

Sample Information

Sample ID: HEK293T_P12_Exp3
 Cell Line: HEK293T
 Sample Type: Cell culture supernatant
 Received Date: 2026-01-01
 Testing Date: 2026-01-01

Negative report example

Target	Ct Value	Interpretation
Mycoplasma spp.	Undetermined	Negative
Internal Control	28.6	Valid

Conclusion: No detectable mycoplasma contamination was found in this sample.

Positive report example

Target	Ct Value	Interpretation
Mycoplasma spp.	21.3	Positive
Internal Control	28.2	Valid

Conclusion: Mycoplasma contamination was detected in this sample. Immediate action is recommended to prevent further spread.

Interpretation

Ct < 30: High likelihood of active contamination
 Ct 30–35: Low-level contamination (early stage)
 Undetermined: No detectable contamination

Note: Mycoplasma contamination may affect gene expression, cell growth, protein production, and experimental reproducibility.

Recommended Actions

For Negative Results: - Continue routine monitoring (every 2–4 weeks)
- Consider Mycoplasma Prevention Solution

For Positive Results: - Isolate contaminated culture
- Discontinue passaging if possible
- Treat or discard affected cells

Tribio Recommended Workflow: 1. [TBS8006 Mycoplasma Eraser](#) (treatment)
2. [TBS42030C Mycoplasma Titer qPCR](#) (monitor clearance)
3. Retesting after 48–72 hours

Method Summary

Detection was performed using a validated qPCR-based mycoplasma detection assay targeting conserved mycoplasma genomic regions.

Assay sensitivity: <10 CFU/mL (equivalent). Internal control included for assay validation.

Notes

For Research Use Only (RUO)

Not for diagnostic use

Results apply only to the submitted sample.