

AdvSHENTEK

Mycoplasma DetectInnova System



PN#1613106

The AdvSHENTEK Mycoplasma DetectInnova System transformed RMM (rapid microbiological method) into a streamlined, fast, fully automated, and easily portable laboratory system. It integrates nucleic acid extraction and real-time PCR assay, allowing a turn-around time of 2.5 hours from sample to result. Importantly it only requires less than 5 minutes of hands-on time, without specific DNA extraction and PCR expertise to operate.



PN#1509100



Easy on-time testing

- Complete automation from sample to result
- Hands-on time < 5 min



High Sensitivity & Efficiency

- LOD < 10 CFU/mL
- 4 standardized assays in a single run



Accessible Anywhere & Anyone

- No PCR lab or skills required
- Seamless integration from extraction to amplification without manual intervention



Data Reliability

- Fully validated workflow
- Effective internal control across every stage
- 21 CFR Part 11 compliance



High Specificity

- No cross-reactivity with different bacteria or cell lines
- No sample matrix interference

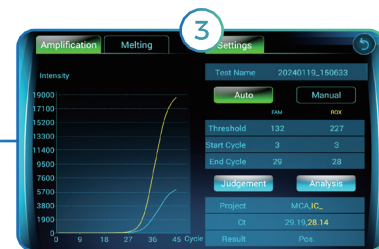
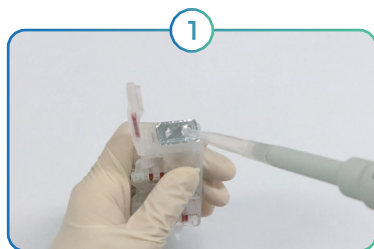


Comprehensive coverage

- Able to detect over 180 species of Mycoplasma, Spiroplasma and Acholeplasma

*Rapid, Simple, Accurate
On-time Mycoplasma Detection to Anyone & Anywhere*

On-time Testing in 3 Easy Steps to Anywhere & Anyone



By utilizing single-use cassettes, the system significantly minimizes hands-on time, offering a streamlined solution for on-time testing across various bio-therapeutic products to anyone and anywhere.

Table 1 DetectInnova Detection Level at 10 & 100 CFU/mL
For Different Mycoplasma Species

Strain	Detection Concentration	
	10 CFU/mL	100 CFU/mL
Mycoplasma synoviae	24/24	24/24
Mycoplasma arginine	24/24	24/24
Mycoplasma gallisepticum	24/24	24/24
Spiroplasma citri	24/24	24/24
*Mycoplasma orale	24/24	24/24
Mycoplasma hyorhinis	24/24	24/24

Strain	Detection Concentration	
	10 CFU/mL	100 CFU/mL
*Acholeplasma laidlawii	24/24	24/24
*Mycoplasma fermentans	24/24	24/24
*Mycoplasma hominis	24/24	24/24
*Mycoplasma pneumoniae	24/24	24/24
*Mycoplasma salivarium	24/24	24/24

* Strains sourced from ATCC

Note: 24/24=24 out of 24 test results positive

Table 2 DetectInnova LOD at 10 CFU/mL in Different Matrices

Sample Matrix		Strain					
		Mycoplasma orale		Mycoplasma hyorhinis		Mycoplasma pneumoniae	
		10 CFU	100 CFU	10 CFU	100 CFU	10 CFU	100 CFU
5% human albumin		24/24	24/24	24/24	24/24	24/24	24/24
CHO-S	10 ⁶ cells/mL	24/24	24/24	24/24	24/24	24/24	24/24
	10 ⁷ cells/mL	24/24	24/24	24/24	24/24	24/24	24/24
DMEM (20%FBS, 10%DMSO)		24/24	24/24	24/24	24/24	24/24	24/24
ExpiCHOTM(10%DMSO)		24/24	24/24	24/24	24/24	24/24	24/24

Note: 24/24=24 out of 24 test results positive

