

Mycoplasma Detection



Mycoplasma refers to a genus of bacteria which lack the cell wall and it is currently considered the smallest known cell at about 0.1 micron (μm) in diameter. Thus, there are often no visible signs of infection until they achieve extremely high densities and cause the cell culture to deteriorate.

MycAway™ Plus-Color One-Step Mycoplasma Detection Kit from YEASEN uses Loop-mediated isothermal amplification (LAMP) method to achieve rapid and facilitated mycoplasma detection with the visual result.

Rapid and Facilitated Operation

Visualization Result

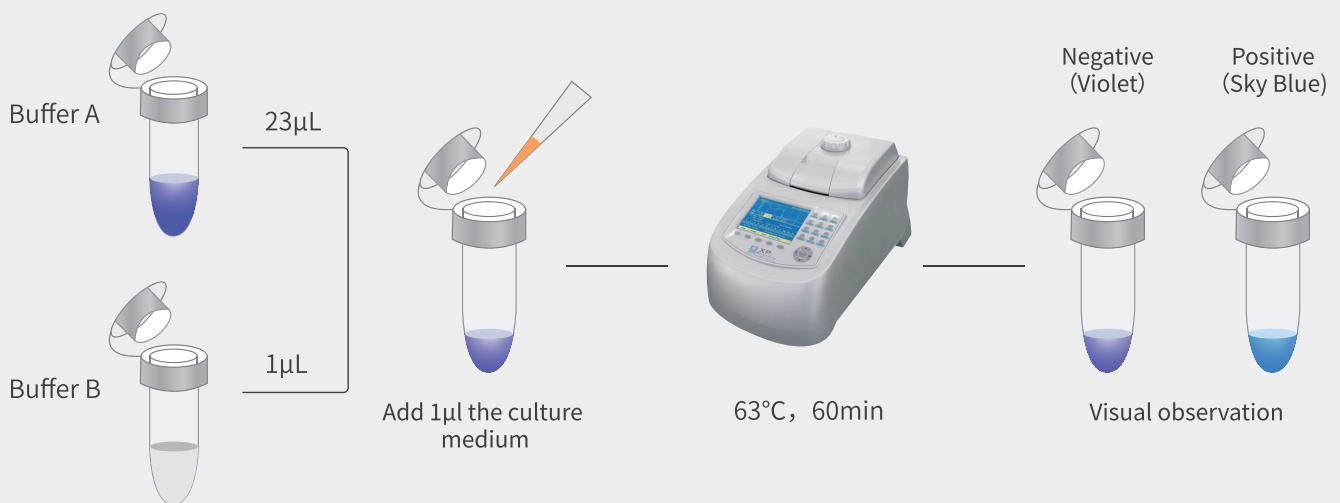


Figure 1: The detection procedure by MycAway™ Plus-Color One-Step Mycoplasma Detection Kit from YEASEN

Vital Feature

01



One-Step operation,
results in less than 60 mins

02



Use a water bath or PCR
instrument to test

03



27 mycoplasma species
accurately detected by the kit,
including 8 common species

04



Results just identified by
the visual inspection

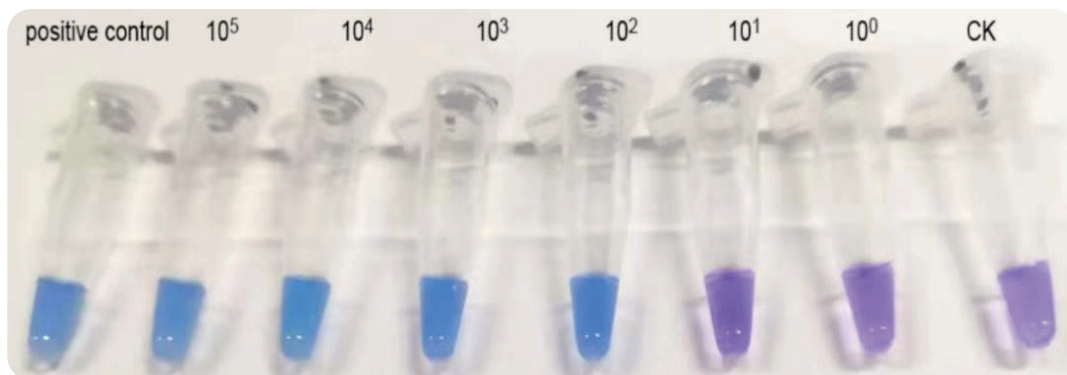


Figure 2: The detection result by MycAway™ Plus-Color One-Step Mycoplasma Detection Kit from YEASEN

Order Information

Product Name	Catalog No.	Package
MycAway™ Plus-Color One-Step Mycoplasma Detection Kit	40612ES25 40612ES60	25T 100T

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Mycoplasma Elimination and Prevention

Mycoplasma contamination is a serious concern as it can have major impacts on cell functions, and thus lead to data misinterpretation. YEASEN offers highly cited mycoplasma elimination and prevention reagents that can save precious cell lines and data.

MycAway™ Treatment-Mycoplasma Elimination Reagent and MycAway™ Prophylactic -Mycoplasma Prevention Reagent from YEASEN are the mixed antibiotic reagents designed to eliminate / prevent mycoplasma by inhibiting bacterial protein synthesis, and do not affect the animal cells.



Vital Feature



Ultra-low Toxicity

Only block the bacterial protein synthesis rather than animal cells



Excellent Stability

Stored at -20°C for 18 months



Facilitated Operation

Just added into the culture medium



Rapid Onset

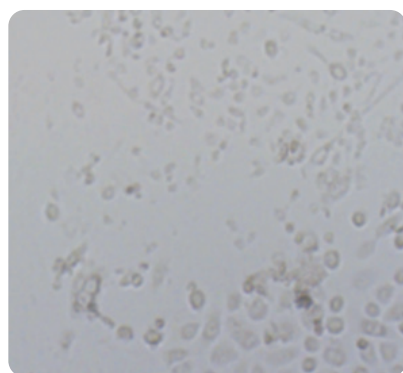
Take effect in 3 days



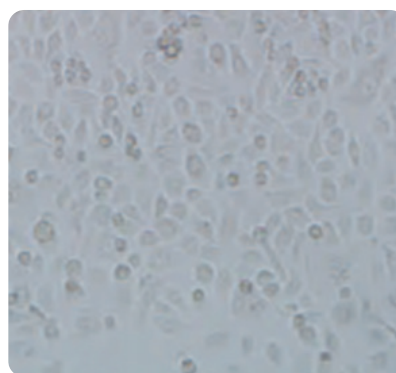
Wide Applicability

Effective against most mycoplasmas

Performance Demonstration

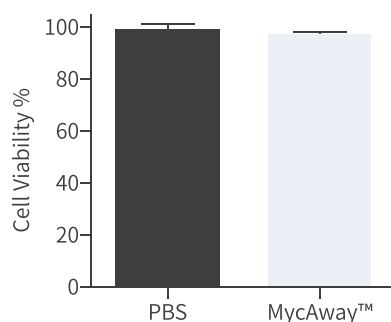


Before Treatment

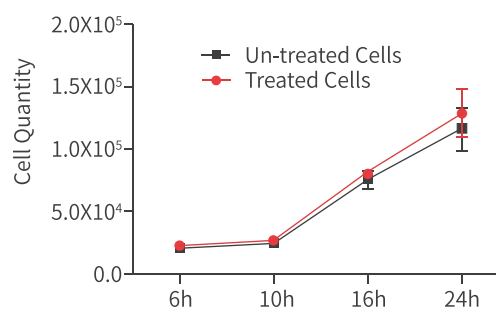


After Treatment

Figure 1: The representative image before and after mycoplasma removal by YEASEN MycAway™ Reagent



24h After Treatment



Incubation Time

Figure 2: The effects of MycAway™ Reagents on cell growth and viability were detected. The cell growth and viability were not affected by YEASEN MycAway™ Reagents.

Order Information

Product Name	Catalog No.	Package
MycAway™ Treatment (1000×)-Mycoplasma Elimination Reagent	40607ES03 40607ES08	1 mL 5*1 mL
MycAway™ Prophylactic (2000×)-Mycoplasma Prevention Reagent	40608ES03 40608ES08	1 mL 5*1 mL

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