

Mycoplasma Detection Kit w/ IAC

MycoTrack™ Mycoplasma Detection Kit

- ✓ **Highly Specific**
- ✓ **Easy Interpretation**
- ✓ **Simple Technique**

OriGene provides a highly sensitive Mycoplasma detection kit (MycoTrack™) – which utilizes a distinct IAC (internal amplification control) to validate PCR reactions. This kit can aid in identifying the most common Mycoplasma cell culture contaminants.

Targeted Species

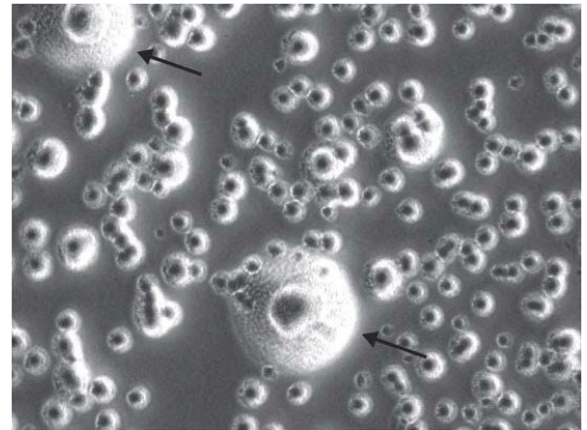
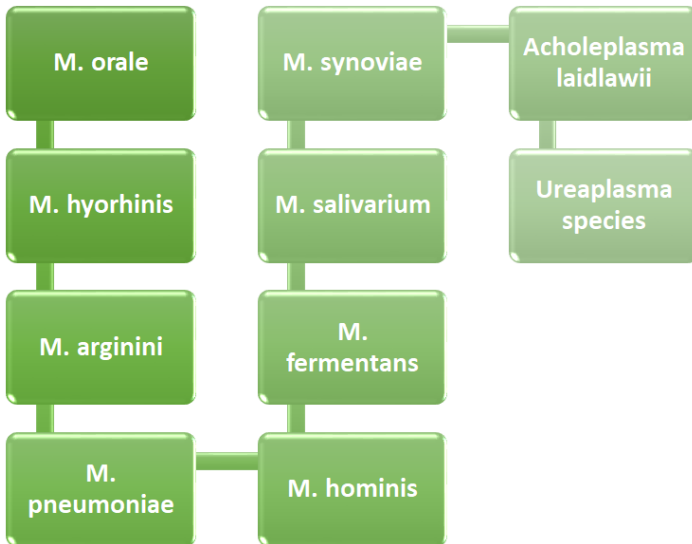


Figure 1. 2 Mycoplasma colonies

Key Features and Benefits

- **No Need for External Control:** IAC is included in the PCR pre-mix to validate reactions
- **Consistent Target Identification:** Primers are designed to target the 16s rRNA coding region of the organism
- **Highly Specific:** Eukaryotic and other bacterial DNA are not amplified
- **Simple Technique:** Uses PCR: the simplest molecular biology technique
- **Easy Interpretation:** The Mycoplasma indicating band (~250-300bp) and IAC(700bp) produce two separate, distinct bands

Mycoplasma Detection Kit Performance Data

Sensitivity Validation

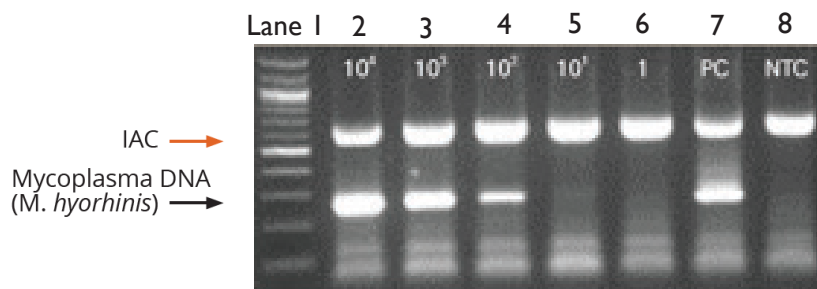
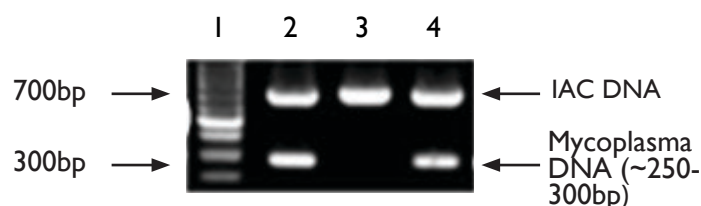


Figure 1. Sensitivity validation data (10-100fg DNA/reaction)

The MycoTrack™ Mycoplasma detection kit has been effectively designed to detect 10-10,000 copies of Mycoplasma DNA in a sample. With a sensitivity of 10-100 fg DNA/reaction, OriGene's MycoTrack™ Mycoplasma Detection kit outperforms other detection kits on the market. This kit is provided as PCR pre-mix [containing dNTPs, polymerase, and IAC in single vial] – a small but simple resolution for Mycoplasma contamination detection.

IAC (Internal Amplification Control) Validation



1. Size Marker
2. Positive Control
3. Negative Control
4. Infected cell/medium

Figure 2. IAC validation data

The Mycoplasma indicating band [~250-300 bp] and IAC [700 bp] produce 2 separate, distinct bands. This allows for easy interpretation unlike other controls that have a size similar to that of Mycoplasma DNA.

SKU	Description
NP100050	MycoTrack™ Mycoplasma Detection Kit w/IAC

For more information visit <https://www.origene.com/products/gene-expression/mycoplasma>