Reagent: 

* Mycoplasma fermentans, Incognitus Strain

Catalog Number: 

883

Lot Number: 

290-9

Release Category: 

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Provided: 

1 ml frozen culture, $1 \times 10^{11}$ color changing units/ml.

Special Characteristics:

The microbe is not sensitive to erythromycin, the most commonly used antibiotic for human mycoplasma infection. *In vitro*, the microbe is considered to be sensitive to tetracycline, doxycycline, chloramphenicol or ciprofloxin. Conventional mycoplasma assays can be used to document the growth of this mycoplasma in cultures. Immunofluorescence, metabolic inhibition, and growth inhibition assays are the commonly used techniques.

Growth Characteristics: The mycoplasma was previously filter-cloned three times on agar plates. The microbe can now be grown in SP-4 medium under both aerobic and anaerobic conditions. Color changes of the culture medium can be seen in 4-6 days, depending on the inoculated concentration. Viable cell titer is about $1 \times 10^{11}$ color changing units/ml when cultures are grown in SP-4 Mycoplasma Medium.

Morphology: The mycoplasma has a small spherical particle size (100-200 nm) and occasional filamentous morphology, and forms only irregular and very small colonies with diffuse edges on agar plates.

Original Source: Sb51 cells transfected with Kaposi’s sarcoma DNA obtained from an AIDS patient.

Host: Although the mycoplasma has different affinities to different cultured cells, essentially all cell cultures can be used to culture the mycoplasma after a period of adoption.

Recommended Storage: 

Mycoplasma is well known to quickly lose its pathogenicity in culture. The microbe prepared at different stages of study need to be frozen and kept in liquid nitrogen or -135°C freezers.
Contributor: Dr. Shyh-Ching Lo.

References:


Last Updated: June 21, 2013

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

REV: 06/21/2013