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MYCOPLASMA SUPPLEMENT - G SR0059C		

## MYCOPLASMA SUPPLEMENT - G

SR0059C

### Formula

Vial contents (each vial is sufficient to supplement 80ml of medium)

Horse serum	20ml
Yeast extract (25% w/v)	10ml
Thallous acetate	25mg
Penicillin	20,000 units

### Description

A freeze-dried selective supplement for the isolation of *Mycoplasma* species.

### Directions

Aseptically add 20ml of sterile distilled water to one vial and mix gently to dissolve. Aseptically add the vial contents to 80ml of either sterile Mycoplasma Agar Base (CM0401) or sterile Mycoplasma Broth Base (CM0403) cooled to 50°C. Mix well and pour into sterile Petri dishes.

### Physical Characteristics

Brown pellet  
Sterility - passes test

### Microbiological Tests using Optimum Inoculum Dilution


Control Media: Mycoplasma Agar Base with the addition of Mycoplasma Supplement G or Tryptone Soya Agar, where appropriate

Tested in Mycoplasma Agar Base CM0401

### Reactions after incubation at 37°C for up to 21 days under microaerophilic conditions

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Mycoplasma hominis</i>	ATCC®23114	Characteristic 'fried egg' cols
<i>Mycoplasma pneumoniae</i>	ATCC®15531	Characteristic 'fried egg' cols
<i>Mycoplasma bovis</i>	ATCC®19852	Characteristic 'fried egg' cols
<i>Mycoplasma orale</i> type 1	ATCC®23714	Characteristic 'fried egg' cols
<i>Acholeplasma laidlawii</i>	ATCC®23206	Characteristic 'fried egg' cols

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Examine for colonies at x 40 magnification, using obliquely transmitted light. The colonies are characteristic with the centre of the colony embedded beneath the surface, giving a 'fried egg' appearance. Growth and colony characteristics shall be comparable to standard.

**Reactions after incubation at 37°C for 5 days under microaerophilic conditions**


Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Streptococcus pyogenes</i>	ATCC® 19615	No growth
<i>Staphylococcus aureus</i>	ATCC® 25923	No growth
<i>Proteus mirabilis</i>	ATCC® 12453	No growth

Medium is challenged with 1E+04 to 1E+05 colony-forming units

<i>Escherichia coli</i>	ATCC® 25922	No growth or pinpoint to 1mm straw to black colonies
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Negative strains are inhibited or shall produce at least a 3 log(10) reduction when compared to the control medium.

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**Revision History**

Section / Step	Description of Change	Reason for Change	Reference
Microbiological Characteristics	Updated growth criteria for <i>E. coli</i> . Added control medium, control cfu, inhibition levels and growth morphology.	Change control	MOC-2024-2400