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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
MYCOPLASMA AGAR BASE CM0401		

MYCOPLASMA AGAR BASE

CM0401

Typical Formula*

	grams per litre
Bacteriological peptone	10.0
'Lab-Lemco' powder	10.0
Sodium chloride	5.0
Mineral supplement	0.5
Agar	10.0

* adjusted as required to meet performance standards

Directions

Suspend 35.5g in 1 litre of distilled water. Boil to dissolve the agar and distribute in 80ml volumes. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and add the sterile supplement.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 2-3
 Moisture level - less than or equal to 7%
 pH - 7.8 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 10.0g/litre of agar

Microbiological Tests using Optimum Inoculum Dilution

Control Medium: Mycoplasma Agar Base with the addition of Mycoplasma Supplement G

Tested with the addition of Mycoplasma Supplement G SR0059

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

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

<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


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.

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

<i>Streptococcus pyogenes</i>	ATCC®19615	No growth
<i>Escherichia coli</i>	ATCC®25922	No growth
<i>Staphylococcus aureus</i>	ATCC®25923	No growth
<i>Proteus mirabilis</i>	ATCC®12453	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Addition of Control Medium and Result Criteria. Correction of incubation time from 3-5 days to 5 days.	Change control	BT-CC-1918 & BT-CC-2304