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Product Information

MYCOPLASMA BROTH

Product No. **M 0535**
Store at Room Temperature

Product Description

Mycoplasma Broth is a basal medium which, after enrichment with yeast extract, horse serum, and antibiotics, will support the growth of Mycoplasma sp. The components contained in this basal medium do not exhibit inhibitory or toxic effects when used to culture mycoplasma. A special mineral supplement has been added to improve the growth and colony characteristics of the organism.

<u>COMPONENTS</u>	<u>g/L</u>
Bacteriological Peptone	10.0
'Lab Lemco' powder*	10.0
Sodium Chloride	5.0
Mineral Supplement	0.5

* Lab Lemco powder is a meat extract which is more refined and clarified than conventional meat extracts.

REAGENT

For laboratory use only.
Not for drug, household or other uses.

Product Use

Basal Medium:
Add 25.5 g of powdered medium to 1L of distilled water. Stir until dissolved and then adjust pH to 7.8 ± 0.2 . Prepare 80.0 ml aliquots in autoclavable containers. Autoclave at 121 °C and 15 psi for 15 minutes to sterilize. Cool to 50 °C and add sterile supplements.

Supplements:

There are numerous literature citations, which describe various means of supplementation. The information given below is a "typical" scheme but may not be suitable for all applications. We recommend that you review the literature for the most appropriate supplementation scheme for your application.

<u>Supplement</u>	<u>Final Conc.</u>
Yeast Extract	10%
Horse serum	20%
DNA	20 µg/ml
Penicillin	50-500 units/ml
Thallos acetate	0.1-0.3125 mg/ml

Product Storage

Store dry powdered medium at room temperature and prepared medium at 2-8 °C

References

1. Shepard, M. and Lanceford, C. (1970) Appl. Microbiol. 2:539-543.
2. Taylor-Robinson, D. et al. (1971) J. Gen. Microbiol. 68:97-107.
3. Kraybill, W. and Crawford, Y. (1965) Proc. Soc. Exp. Biol. Med. 118:965-967.

MYCOPLASMA BROTH
M0535
pcs 12/98

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