

Revisions

Rev from	Rev to	ECO #
0304	0604	2818-04

Notes:

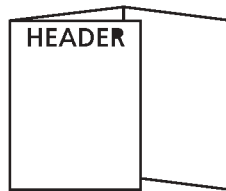
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3. Style (see illustrations below): #1



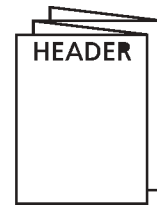
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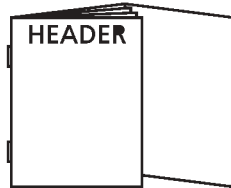
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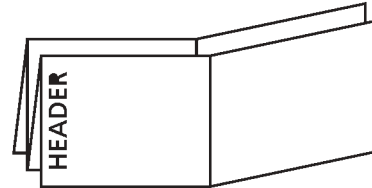
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4. See Specification Control Number N/A for Material Information
5. Ink Colors: Printed two sides Yes No
 No. of Colors: 1 PMS# 2755 Blue
6. Graphics are approved by Becton, Dickinson and Company. Supplier has the responsibility for using the most current approved revision level

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Proofer	Date			
Checked By	Date			
Part Number: S1382JAA		Category and Description Package Insert, Difco Mycoplasma Supplement	Sheet: 1 of 3 <hr/> Scale: 1 : 1	A

 **BD Difco™ Mycoplasma Supplement**

S1382JAA
2004/06

INTENDED USE

Difco™ Mycoplasma Supplement is an enrichment to media for the isolation and cultivation of *Mycoplasma* spp.; e.g., PPLO media, Heart Infusion Agar and Heart Infusion Broth.

SUMMARY AND EXPLANATION

Although some species of *Mycoplasma* are normal human respiratory tract flora, *M. pneumoniae* is a major cause of respiratory disease (primary atypical pneumonia, sometimes called "walking pneumonia").¹ *M. hominis*, *M. genitalium* and *Ureaplasma urealyticum* are important colonizers (and possible pathogens) of the human genital tract.¹

Mycoplasma Supplement is a sterile desiccated enrichment for use in PPLO media as described by Hayflick.² The supplement is prepared according to the formulations of Chanock, Hayflick and Barile³ and Hayflick.⁴

PRINCIPLES OF THE PROCEDURE

Mycoplasma Supplement contains fresh yeast extract and horse serum. Yeast extract provides the preformed nucleic acid precursors that are required by *Mycoplasma* spp.⁵ Horse serum supplies cholesterol, a growth stimulant.⁵

REAGENTS

Difco™ Mycoplasma Supplement

Approximate Formula* Per Liter Purified Water

Yeast Extract3.0 g
Horse Serum 760 mL

*Adjusted and/or supplemented as required to meet performance criteria.

Warnings and Precautions:

For Laboratory Use.

Observe aseptic techniques and established precautions against microbiological hazards throughout all procedures. After use, prepared tubes, specimen containers and other contaminated materials must be sterilized by autoclaving before discarding.

Storage Instructions: On receipt, store vials in the dark at 2 - 8°C.

DIRECTIONS FOR PREPARATION: Observe aseptic techniques.

1. Rehydrate **Difco** Mycoplasma Supplement with 30 mL of sterile purified water.
2. Rotate gently to dissolve.
3. Add 30 mL (the contents of one vial) to 70 mL of a sterile medium base for *Mycoplasma*.
4. Dispense in plates or tubes as desired.

USER QUALITY CONTROL

Add **Difco** Mycoplasma Supplement to an appropriate dehydrated medium base prepared according to label directions. Test samples of the finished product for performance using stable, typical control cultures.

AVAILABILITY

Cat. No.	Description
283610	Difco TM Mycoplasma Supplement, 6 x 30 mL vials.
241210	Difco TM PPL0 Agar (Mycoplasma Agar), 500 g.
211456	BBL TM Mycoplasma Agar (PPL0 Agar Base), 500 g.
255420	Difco TM PPL0 Broth (Mycoplasma Broth), 500 g.
255410	Difco TM PPL0 Broth (Mycoplasma Broth), 10 kg.
211458	BBL TM Mycoplasma Broth Base (PPL0 Broth Base), 500 g.
212346	BBL TM Mycoplasma Broth Base (Frey), 500 g.
212347	BBL TM Mycoplasma Broth Base (Frey), 5 lb (2.3 kg).
212292	BBL TM Mycoplasma Enrichment without Penicillin, 10 x 30 mL vials.

REFERENCES

1. Baron, Peterson and Finegold. 1994. Bailey and Scott's diagnostic microbiology, 9th ed. Mosby-Year Book, Inc. St. Louis.
2. Hayflick. 1965. Tex. Rep. Biol. Med. 23:285.
3. Chanock, Hayflick and Barile. 1962. Proc. Nat. Acad. Science 48:41.
4. Hayflick. 1968. Personal Communication.
5. Waites and Taylor-Robinson. 1999. In Murray, Baron, Pfaller, Tenover and Tenover (ed.) Manual of clinical microbiology, 7th ed. American Society for Microbiology, Washington, D.C.

Becton, Dickinson and Company
7 Loveton Circle
Sparks, Maryland 21152 USA 800-638-8663
Becton Dickinson France S.A., 38800 Le Pont de Claix, France

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