

INTENDED USE

Mycoplasma Enrichment without Penicillin is a lyophilized blend of ingredients used to supplement suitable media when isolation of *Mycoplasma* spp., including *M. pneumoniae*, is desired.

SUMMARY AND EXPLANATION

Mycoplasma Enrichment is recommended as a supplement to Mycoplasma Agar Base and Mycoplasma Broth Base for the isolation and cultivation of *Mycoplasma* species. When added to these bases, the enrichment enhances the growth of mycoplasmas. The addition of penicillin inhibits bacteria in mixed cultures.

PRINCIPLES OF THE PROCEDURE

Mycoplasma Enrichment without Penicillin provides cholesterol and preformed nucleic acid precursors which are supplied by the horse serum and specially prepared yeast extract (fresh autolysate), respectively, for the growth of *Mycoplasma* species.^{1,2} Thallium acetate, an antibacterial agent, is added to prevent overgrowth of the slow-growing mycoplasmas by contaminating organisms.

Approximate Formula per 30 mL Solution

Horse Serum20 mL
Yeast Extract (fresh autolysate)10 mL
Thallium Acetate50 mg

Warnings and Precautions

For Laboratory Use
This Product Contains Dry Natural Rubber.
Observe aseptic techniques in the restoration and addition of this medium enrichment.

Storage and Restoration

On receipt, store at -20 to +8 °C. Restore each vial with 30 mL of sterile purified water. After restoration, use within 8 h or discard unused portion.
Expiration date applies to product in intact container, stored as directed.
Do not open until ready to use.

INSTRUCTIONS

Add 30 mL of restored enrichment to 70 mL of sterile melted Mycoplasma Agar Base at about 50 °C, or to 70 mL of Mycoplasma Broth Base. If desired, aseptically add sterile penicillin G to a final concentration of 500 units per mL. Dispense into suitable sterile containers.

If the medium is to be used for the selective isolation of *Mycoplasma* from clinical specimens or from mixed cultures, it should be used within 24 to 48 h after preparation.

AVAILABILITY

Cat. No.	Description
212292	BBL™ Mycoplasma Enrichment without Penicillin, Pkg. of 10 vials

REFERENCES

1. Chanock, R.M., L. Hayflick, and M.F. Barile. 1962. Growth on artificial medium of an agent associated with atypical pneumonia and its identification as a PPLO. *Proc. Natl. Acad. Sci.* 48:41-49.
2. Kenny, G.E. 1991. Mycoplasmas, p. 478-482. *In* A. Balows, W.J. Hausler, Jr., K.L. Hermann, H.D. Isenberg, and H.J. Shadomy (ed.), *Manual of clinical microbiology*, 5th ed. American Society for Microbiology, Washington, D.C.

Technical Information: In the United States, contact BD Technical Service and Support at 800-638-8663 or www.bd.com/ds.

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