

DYC Broth



Medium used for the cultivation and enumeration of Actinomycetes.

• CONTENTS (Liter)

Dextrin	25.0 g
Dry Yeast	12.0 g
Corn Steep Liquor	20.0 g
Sodium Bromide	1.0 g
Cobalt Chloride	1.0 g
Final pH = 7.0 ± 0.2 at 25°C	

• PROCEDURE

Suspend 59.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

• INTERPRETATION

DYC Broth is a medium used for the cultivation and enumeration of Actinomycetes. Dextrin and dry yeast provide nitrogen, carbon, vitamins and minerals. Corn steep liquor, sodium bromide and cobalt chloride stimulate the growth of Actinomycetes.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 28°C for 40 - 72 hours up to 7 days. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: slightly opalescent with precipitates

Color: light amber

Incubation conditions: 28°C / 40 - 72 hours up to 7 days

Microorganism	ATCC	Growth
<i>Actinomyces bovis</i>	13683	good
<i>Pectobacterium carotovorum</i>	15390	good
<i>Streptomyces albus</i>	3004	good

- **STORE**

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

- **REFERENCES**

1. Collins L, Franzblau S. 1997. Microplate Alamar Blue Assay versus BACTEC 460 System for High-Throuput Screening of Compounds against Mycobacterium tuberculosis and Mycobacterium avium. Antimicrob. Agents Chemother. 41:1004-1009.

- **PACKAGE**

Cat. No : MB-D0910 DYC Broth	500 G
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