

ISP Agar 2 (Yeast Extract Malt Extract Agar)



Medium used for the cultivation and enumeration of *Streptomyces* species.

• CONTENTS (Liter)

Yeast Extract	4.0 g
Malt Extract	10.0 g
Dextrose	4.0 g
Agar	20.0 g
Final pH = 7.2 ± 0.2 at 25°C	

• PROCEDURE

Suspend 38.0 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 petri dishes.

• INTERPRETATION

ISP Agar 2 (Yeast Extract Malt Extract Agar) is a medium used for the cultivation and enumeration of *Streptomyces* species. Yeast extract and malt extract are the carbon, nitrogen and vitamin sources. Dextrose is a fermentable carbohydrate. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 30 ± 2°C for 48 - 96 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

Prepared medium

Appearance: slightly opalescent

Color: amber

Incubation conditions: 30 ± 2°C / 48 - 96 hours

Microorganism	ATCC	Growth
<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. Shirling E. B. and Gottleib D., 1966, International J. Systemic Bacteriol. Vol 16 (3) :313.
2. Isenberg and Garcia (ed.). 2004 (update, 2007). Clinical microbiology procedures handbook, 2nd ed. American Society for Microbiology, Washington, D.C.
3. Murray, Baron, Jorgensen, Landry and Pfaller (ed.). 2007. Manual of clinical microbiology, 9th ed. American Society for Microbiology, Washington, D.C.

• PACKAGE

Cat. No : MB-I0715 ISP Agar 2 (Yeast Extract Malt Extract Agar)	500 G
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