

O.G.Y.E. (Oxytetracycline-Glucose Yeast Extract) Agar



Medium used for the isolation and cultivation of yeasts and molds in foods.

• CONTENTS (Liter)

Yeast Extract	5.0 g
Glucose	20.0 g
Agar	15.0 g
Final pH = 7.0 ± 0.2 at 25°C	

• PROCEDURE

Suspend 40.0 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. Aseptically add 2 vials of O.G.Y.E. supplement (MB-O1818). Mix well. Pour into petri dishes.

O.G.Y.E. supplement

1 vial content (each vial is sufficient for 500 mL of medium)

Oxytetracycline	0.05 g
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• INTERPRETATION

O.G.Y.E. (Oxytetracycline-Glucose Yeast Extract) Agar is a medium used for the isolation and cultivation of yeasts and molds in clinical specimens. Yeast extract provides the nitrogen, vitamin B complex, amino acids and minerals. Glucose is a fermentable carbohydrate. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium or inoculate using the pour plate method. Incubate at 22 ± 3°C for 5 days. 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: light amber

Incubation conditions: 22 ± 3°C / 5 days

Microorganism	ATCC	Inoculum CFU	Growth
<i>Aspergillus brasiliensis</i>	16404	heavy	good
<i>Sacchromyces cerevisiae</i>	76625	50-100	Good
<i>Escherichia coli</i>	25922	≥10 ³	inhibited

• 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. Mossel D. A. A., Harrewijn G. A. and Elzebroek J. M. (1973) UNICEF.
2. Mossel D. A. A., Kleynen-Semmeling A. M. C., Vincentie H. M., Beerens H. and Catsaras M. (1970) J. Appl. Bact. 454-457.
3. Mossel D. A. A., Visser M. and Mengerink W. H. J. (1962) Lab. Prac. II, 109-112.
4. Mossel D. A. A. (1951) Antonie Van Leeuwenhoek 17. 146.
5. Sharf J. M. (1960) Ann. Inst. Pasteur, Lille II. 117.
6. ICMSF (1978). Microorganisms in foods, their significans and methods for enumeration. University of Toronto press, 157-159.

• PACKAGE

Cat. No : MB-O1402 O.G.Y.E. (Oxytetracycline-Glucose Yeast Extract) Agar	500 G
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