
Product Name : O.G.Y.E. (Oxytetracycline-Glucose Yeast Extract) Agar Base

Selective medium for yeasts and moulds isolation and enumeration in foods and cosmetics.

CONTENTS (G/L)

Yeast Extract 5.0
Glucose 20.0
Agar 15.0
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 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. Dispense in petri dish.

O.G.Y.E. supplement

(Each vial is sufficient for 500 mL of medium)

Oxytetracycline 50.0 mg

INTERPRETATION

O.G.Y.E. (Oxytetracycline-Glucose Yeast Extract) Agar Base is a selective medium for the isolation and enumeration of yeasts and moulds in foods and cosmetics. The growth of yeasts and moulds is stimulated by the presence of glucose and yeast extract. Oxytetracycline inhibits the growth of bacteria including *Lactobacilli*. Alternatively, O.G.Y.E. gentamicin supplement (MB-O3010) and O.G.Y.E. tetracycline supplement (MB-O3009) may be used as the inhibition reagent. When examining fecal specimens from patients under tetracycline treatment *Enterobacteriaceae* are not adequately inhibited. Oxytetracycline should then be used by gentamicin.

TECHNIC

Transfer 1 mL of each dilution of the sample into a Petri dish. Add approximately 15 mL of the still fluid medium, cooled at 45-50°C. Mix gently turning the plates. Incubate at 22 ± 3°C for 5 days.

QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: tan.

Prepared medium

Appearance: slightly opalescent.

Color: amber.

Incubation conditions: 22 ± 3°C / 5 days.

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| Microorganism | ATCC | Inoculum CFU | Growth |
|---------------------------------|-------|--------------|-----------|
| <i>Aspergillus niger</i> | 16404 | 50-100 | good |
| <i>Saccharomyces cerevisiae</i> | 9763 | 50-100 | good |
| <i>Escherichia coli</i> | 25922 | 50-100 | 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 or until signs of deterioration are evident. Store prepared medium at 2-6°C.

REFERENCES

1. Mossel D. A. A., Harrewijn G. A. and Elzebroek J. M. (1973) UNICEF.
2. Mossel D. A. A., Kleyen-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

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