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Product Information

75310 OGY Agar (Oxytetracyclin Glucose Yeast Agar, OGYE Agar)

Selective agar according to Mossel for the identification and enumeration of yeasts and other fungi in foods, clinical specimens etc.

Composition:

Ingredients	Grams/Litre
Yeast extract	5.0
D(+)-Glucose	10.0
Agar	15.0

Final pH 6.5 +/- 0.2 at 25°C

Store prepared media below 8°C, protected from direct light. Store dehydrated powder, in a dry place, in tightly-sealed containers at 2-25°C.

Directions :
Dissolve 30 g in 900 ml distilled water. Autoclave at 121°C for 15 minutes and cool to approx. 50°C. Then add 2 vials of Oxytetra Selective Supplement (51239). Instead of oxytetracycline also 0.05 g gentamicin/litre (1 ml gentamicin solution 48755 per litre) may be added.

Principle and Interpretation:
Yeast extract provides nitrogenous compounds, vitamin B complex, amino acids and other essential growth nutrients. D(+)-Glucose is the carbon energy source. The medium has a low pH to suppress the growth of bacteria and enhance the growth of yeasts and other fungi.
Oxytetracycline Glucose Yeast Agar is fitted for the routine examination of butter. Enterobacteriaceae, from Fecal specimens from patients treated with tetracycline, are not adequately inhibited by the antibiotic oxytetracycline. In this case the replacment of oxytetracycline by gentamicin is recommended.
Lactic acid bacteria are inhibited by this medium.

Cultural characteristics after 2-7 days at 25-28°C.

Organisms (ATCC)	Growth
Aspergillus niger (16404)	+++
Saccharomyces cerevisiae (9763)	+++
Candida albicans (26790)	+++
Escherichia coli (25922)	-
Bacillus cereus (11778)	-

References:
1. Nakanishi, Modern Media, An isolation agar medium for cholerae and enteropathogenic halophilic vibrios, 9, 246 (1963)
2. D.A.A. Mossel, et al., A comparison of media for the enumeration of moulds and yeasts in foods and beverages, Lab. Pract., 11, 109 (1962)
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4. R Buttiaux, M. Catsaras, L'analyse bactériologigue de bières, Ann. Inst. Pasteur, 16, 167 (1965)
5. H. Modde, Klinisch-bakteriologische Aspekte der Gentamicintherapie, Therap. Umschau, Suppl. 1, 6 (1969)
6. M. Sainclivier, A.M. Roblot, Choix d'un milieu de culture pour le dénombrement des levures et moisissures dans le beurre, Ann. Inst. Pasteur, 17, 181 (1966)
7. International Organisation for Standardisation (ISO), ISO/DIS 6611 (1992)

Precautions and Disclaimer
This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.