

TECHNICAL SHEET

B1499	OXYTETRA GLUCOSE YEAST AGAR BASE (OGYE AGAR BASE)				
Formula					
Ingredients :					
		gms/lit.			
Yeast extract		5.00			
Dextrose		20.00			
Agar		12.00			
Final pH (at 25°C) : 6.6 ± 0.2					
Directions :					
Suspend 18.5 grams in 500 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add reconstituted contents of one vial of Oxytetra Selective Supplement (BF086) or Genta-Oxy Selective Supplement (BF128). Mix well and pour into sterile Petri plates.					
Principles :					
Yeast extract provides essential growth nutrients. Dextrose acts as carbon and energy source. Low pH helps to reduce the bacterial flora. Oxytetracycline makes the medium more selective by inhibiting the growth of Lactobacilli encountered in milk and milk-products at low pH.					
QC Tests – (I)Dehydrated Medium					
Colour :	Light to medium yellow				
Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium					
pH (post autoclaving/heating) :	6.6 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III)Q.C. Test Microbiological					
Cultural characteristics observed with added 1 vial of Oxytetra Selective Supplement(BF086) or Genta-Oxy Selective Supplement (BF128), after an incubation at 25-30°C after 2-5 days.					
MICROORGANISM (ATCC)			GROWTH		
Aspergillus niger (16404)			good-luxuriant		
Saccharomyces cerevisiae (9763)			good-luxuriant		
Candida albicans (26790)			good-luxuriant		
Escherichia coli (25922)			inhibited		
Saccharomyces uvarum (9080)			good-luxuriant		
Precautions :	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
Use :	It is recommended for isolation and enumeration of yeasts and moulds from milk and milk products.The composition and performance criteria of this medium are as per the specifications laid down in ISO 1992,ISO/DIS 6611.				
Storage :	Dehydrated medium- below30°C Prepared medium– Between 2 to 8°C.				
Packing :	500 gm. bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1499	37 GM/LIT	13.51 L	6.6 ± 0.2	Oxytetra Selective Supplement (BF086) or Genta-Oxy Selective Supplement (FD128)	121°C/15 min.

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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