

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B456	CASITONE GLYCEROL YEAST AUTOLYSATE BROTH (CGY)				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		5.00			
Yeast autolysate		1.00			
Final pH (at 25°C) : Self					
Directions :					
Suspend 6 gms. in 1000 ml. distilled water containing 10 ml glycerol. Dispense into test tubes and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. If desired, 1.5% agar may be added to form CGY agar.					
Principle :					
CGY Broth is formulated in accordance with APHA. This medium supports growth of iron bacteria especially those belonging to the Sphaerotilus- Leptothrix group but not the more rapidly growing organisms. BOD- lactate broth is used as partially selective medium for Sphaerotilus. Pure cultures are isolated from BOD – lactate broth by picking a filament and streaking on 0.05% meat extract agar. After 24 hrs. incubation at 25°C, the typical curing filaments are transferred to CGY Broth which is a good maintenance medium. If a pellicle with no underlying turbidity develops in 2 to 3 days, filament is transferred to CGY Agar slant. In addition alfalfa straw or pea straw may be used for enrichments.					
QC Tests – (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		Nil			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 25-30°C for upto 3 days.					
MICROORGANISM (ATCC)		GROWTH			
Sphaerotilus natans (13338)		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 :	For maintenance of iron bacteria especially those belonging to the Sphaerotilus-Leptothrix group.				
Storage :	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
Packing :	500 gm bottle				
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B456	6g/l	83.33L	<u>SELF</u>	NIL	121 ⁰ C / 15 minutes

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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