

<b>B410</b>	<b>BCG-DEXTROSE AGAR (SNYDER TEST AGAR)</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		20.00			
Dextrose		20.00			
Sodium chloride		5.00			
Bromo cresol green		0.02			
Agar		20.00			
Final pH (at 25°C) : 4.8 ± 0.2					
<b>Directions :</b>					
Suspend 65 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Dispense in 10 ml amounts into test tubes and sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Allow the tubes to cool in an upright position. DO NOT OVERHEAT the medium.					
<b>Principle :</b>					
Snyder Test Agar was formulated by Snyder to estimate relative numbers of Lactobacilli in saliva and for diagnosis of caries activity. The rate of acid production in a medium containing dextrose, by oral microorganisms from buccal cavity is evidenced by a change in colour of the indicator - bromo cresol green from blue - green to a yellow. The rate and degree of colour change is significant.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		Cream to Greenish yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		4.8 ± 0.2			
Colour (post autoclaving/heating) :		Green			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 24 -72 hrs at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH		ACID PRODUCTION	
Lactobacillus casei (9595 )		Luxurinat		+	
Lactobacillus fermentum (9338 )		Luxurinat		+	
Lactobacillus acidophilus (314)		Luxurinat		+	
Staphylococcus aureus (25923)		None to poor		-	
<b>Precautions :</b>					
1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
<b>Limitations :</b>					
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
<b>Use :</b>					
For the estimation of Lactobacilli in diagnosis of caries activity.					
<b>Storage :</b>					
Dehydrated medium- below 30°C Prepared medium-Between 2 to 8°C.					
<b>Packing :</b>					
500 gm. bottle					
<b>Product profile:</b>		Reconstitution		Quantity on Preparation (500g)	
		pH (25°C)		Supplement	
		Sterilization			
<b>B410</b>	65g/l	7.692L	4.8 ± 0.2	NIL	121°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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