

**TECHNICAL SHEET**

<b>B746</b>	<b>STARCH CASEIN AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein powder		1.00			
Starch		10.00			
Sea water		37.00			
Agar		15.00			
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 63.0 grams in 1000 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
This medium has starch as the complex carbohydrate source and casein as nitrogen source. The salts of seawater provides complex ionic sources that makes the medium suitable for marine microbial flora and also buffers the medium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :		Off-white to yellow		
	Appearance :		Homogeneous Free Flowing powder		
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :		7.2 ± 0.2		
	Colour (post autoclaving/heating) :		Cream to light amber		
	Clarity (post autoclaving/heating) :		clear to slightly opalescent gel		
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after 18 - 48 hrs.at 35-37°C.				
	MICROORGANISM (ATCC )		GROWTH		
	Streptococcus limosus (19778)		Luxuriant		
	Streptomyces praecox (3374)		Luxuriant		
	Vibrio cholerae (15748)		good-luxuriant		
<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>		It is recommended for detection of saccharolytic marine bacteria.			
<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
<b>B746</b>		63 g/l	7.93L	7.2 ± 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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