

**TECHNICAL SHEET**

<b>B375</b>	<b>SDS AGAR (SODIUM DODECYL SULPHATE POLYMYXIN SUCROSE AGAR)</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Proteose peptone	10.00				
Meat Extract B#	5.00				
Sucrose	15.00				
Sodium chloride	20.00				
Sodium dodecyl sulphate	1.00				
Bromothymol blue	0.04				
Cresol red	0.04				
Agar	15.00				
#- Equivalent to Beef extract					
Final pH (at 25°C) : 7.6 ± 0.2					
<b>Directions :</b>					
Suspend 33.04 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 45 to 50°C and aseptically add rehydrated contents of 1 vial of Polymyxin B Selective Supplement (BF005). Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
The medium contains proteose peptone and Meat Extract B which provide necessary growth nutrients like nitrogenous and carbonaceous compounds. Sucrose is a fermentable sugar. Addition of 2% sodium chloride to the medium provides necessary salinity for the growth of Vibrio . Bromothymol blue and cresol red act as pH indicators. Sodium dodecyl sulphate and polymyxin B sulphate are the selective agents.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :	7.6 ± 0.2				
Colour (post autoclaving/heating) :	Reddish purple				
Clarity (post autoclaving/heating) :	opalescent gel				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.					
MICROORGANISM (ATCC)	GROWTH	COLOUR OF COLONY			
Vibrio cholerae (15748)	luxuriant	Yellow			
Vibrio vulnificus (29306)	luxuriant	Blue			
<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 used for enrichment, isolation and enumeration of Vibrio vulnificus from seafood samples as per APHA.				
<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>B375</b>	66.08 g/l	7.566 L	7.6 ± 0.2	Polymyxin B Selective Supplement (BF005).	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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