

**TECHNICAL SHEET**

<b>B768</b>	<b>TN AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymic hydrolysate		10.00				
Sodium chloride		10.00				
Agar		15.00				
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 35 gms.in 1000ml. distilled water. Heat to dissolve the medium completely. Dispense in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubed medium to solidify in an inclined position (long slants).						
<b>Principle :</b>						
Weigh 25 gms. of food sample such as seafood or vegetable & blend or cut into small pieces into two jars. To one jar add 225ml Alkaline Peptone Water & to another jar add 225ml Gelatin Phosphate Salt Broth.Incubate at 35 ± 2°C for 6 to 8 hours.Transfer a loopful from surface growth of each broth culture to two plated media, i.e. TCBS Agar & Gelatin Phosphate Salt Agar & incubate at 35 ± 2°C for 18-24 hours. Subculture 3-4 colonies from each plating medium to TN Agar. Growth from TN Agar is further confirmed by inoculating Kligler Iron Agar slants & stabbing the butt.After incubation, V. cholera cultures will have an alkaline (red) slant & an acid (yellow) butt, no gas, & no blackening (H <sub>2</sub> S production) in the butt. Presumptive test for suspected strains of V. cholera from TN Agar is carried out by using string test (2).						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		Clear				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 - 24 hrs at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Vibrio cholerae (15748)		Good – luxuriant				
Vibrio parahaemolyticus (17802)		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>		For cultivation of Vibrio species from food samples.				
<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>B768</b>	35g/l	14.28L	7.2 ±0.2	NIL	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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