

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B089	TMAO MEDIUM (Trimethylamine-N-Oxide Medium)					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Meat extract #		10.00				
Sodium chloride		5.00				
Yeast extract		1.00				
Trimethylamine-N-Oxide		1.00				
Agar		2.00				
# Equivalent to beef extract						
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 29 gms.in 1000ml. distilled water. Heat to dissolve the medium completely. Dispense 4 ml. in 13 X 100 mm. Screw cap tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the tubes in an upright position.						
Principle :						
Beef extract, peptic digest of animal tissue and yeast extract provide nitrogenous compounds, vitamin B complex and growth factors for Campylobacter lari. Sodium chloride maintains the isotonic atmosphere in the medium.						
QC Tests – (I)Dehydrated Medium						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24 - 48 hrs at 42°C in anaerobic condition.						
MICROORGANISM (ATCC)		GROWTH				
Campylobacter lari		Good – luxuriant				
Campylobacter jejuni (29428)		Inhibited				
Campylobacter coli (33559)		Inhibited				
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 cultivation and differentiation of Campylobacter species from foods, except Campylobacter jejuni and Campylobacter coli as per APHA.				
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
B089		29g/l	17.24L	7.5 ±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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