

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B090	T.A.T. BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		20.00			
Azolectin		5.00			
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 25 gms. in 960ml. distilled water and add 40 ml. of Polysorbate 20. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
Casein enzymic hydrolysate provides the nitrogen, vitamins, amino acid & carbon in T.A.T. Broth Base. Azolectin & polysorbate 20 neutralize preservatives in the cosmetics or pharmaceutical products, allowing bacteria to grow. Prepare decimal dilutions of the sample to be tested from 10 ⁻¹ to 10 ⁻⁶ . Inoculate 1 gm (1 ml) sample & 1 ml of each dilution into 40ml of T.A.T. Broth (3). After incubation, subculture the growth on MacConkey Agar & TSI Agar.					
QC Tests –(I) Dehydrated Medium					
Colour :		Offwhite to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 - 48 hrs at 35 - 37°C.					
MICROORGANISM (ATCC)		GROWTH			
Bacillus subtilis (6633)		Good – luxuriant			
Candida albicans (10231)		Fair – luxuriant			
Pseudomonas aeruginosa (27853)		Good – luxuriant			
Salmonella typhi (6539)		Good – luxuriant			
Staphylococcus aureus (25923)		Good – luxuriant			
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 sterility testing of highly viscous or gelatinous substance like salvers, ointments and other cosmetic.					
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
B090	25g/l	20L	7.2 ± 0.2	Polysorbate 20	121°C /15min.

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 BIOMARK LABORATORIES publications.

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