

TECHNICAL SHEET

B338	TRYPTONE AGAR BASE				
Formula					
Ingredients:			gms/lit.		
Casein enzymic hydrolysate			20.00		
Phenol red			0.02		
Agar			3.50		
Final pH (at 25°C): 7.4±0.2					
Directions:					
Suspend 23.52 gms in 1000ml. distilled water. Heat to dissolve the medium completely. If desired add required amount of carbohydrate (0.5%). Dispense in tubes and sterilize by autoclaving at 12 lbs pressure (118 °C) for 15 minutes. Cool the tubed medium in an upright position.					
Principle:					
Casein enzymic hydrolysate provides essential nutrients necessary to support the growth of nonfastidious microorganisms. Phenol red is the pH indicator. Small amount of agar renders it suitable for study of motility. Small amounts of acid produced do not readily get dispersed throughout the medium and hence positive reaction can be more quickly determined in this medium than in liquid medium. This is also an excellent medium for the maintenance for both – aerobic and anaerobic cultures. Viability in this medium is greater than in any other broth medium or slant culture.					
QC Tests – (I) Dehydrated Medium					
Colour:		Pink			
Appearance:		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating):		7.4±0.2			
Colour (post autoclaving/heating):		Red			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours with added 0.5% Dextrose.					
	MICROORGANISM (ATCC)	GROWTH	Acid	Motility	
	Clostridium perfringens (12924)	Luxuriant	Positive reaction, yellow colour	Negative, growth along the stabline, surrounding medium remains clear.	
	Clostridium sporogenes (11437)	Luxuriant	Positive reaction, yellow colour	Positive, growth away from stabline causing turbidity.	
	Escherichia coli (25922)	Luxuriant	Positive reaction, yellow colour	Positive, growth away from stabline causing turbidity.	
	Enterobacter aerogenes (13048)	Luxuriant	Positive reaction, yellow colour	Positive, growth away from stabline causing turbidity.	
	Salmonella Typhi (6539)	Luxuriant	Positive reaction, yellow colour	Positive, growth away from stabline causing turbidity.	
	Salmonella Enteritidis (13076)	Luxuriant	Positive reaction, yellow colour	Positive, growth away from stabline causing turbidity.	
	Staphylococcus aureus (25923)	Good	Positive reaction, yellow colour	Negative, growth along the stabline, surrounding medium remains clear.	
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:	Recommended for determination of motility and carbohydrate fermentation reactions of aerobes and anaerobes.				
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
B338	23.52 g/l	21.25L	7.4±0.2	Carbohydrate	118°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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