

TECHNICAL SHEET

B328	SYNTHETIC BROTH, AOAC (WRIGHT AND MUNDY BROTH)	
Formula		
Ingredients :	gms/lit.	
L-Cystine	0.05	
DL-Methionine	0.37	
L-Arginine	0.40	
DL-Histidine	0.30	
L-Lysine	0.85	
L-Tyrosine	0.21	
DL-Threonine	0.50	
DL-Valine	1.00	
L-Leucine	0.80	
DL-Isoleucine	0.44	
Amino acetic acid	0.06	
DL Serine	0.61	
DL-Alanine	0.43	
L-Glutamic acid	1.30	
L-Aspartic acid	0.45	
DL-Phenylalanine	0.26	
DL-Tryptophan	0.05	
L-Proline	0.05	
Sodium chloride	3.00	
Potassium chloride	0.20	
Magnesium sulphate	0.05	
Monopotassium phosphate	1.50	
Disodium phosphate	4.00	
Thiamine hydrochloride	0.01	
Nicotinamide	0.01	
Final pH (at 25°C) :	7.1± 0.2	
Directions :		
Suspend 16.9 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense 10 ml amounts in 20x150 mm culture tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to room temperature and just before use, aseptically add 0.1 ml of 10% sterile dextrose solution.		
Principle :		
This medium minimizes variability of cultures and of media. It contains nutrients necessary for the growth of Salmonella Typhi , Staphylococcus aureus and Pseudomonas aeruginosa . These media are used for growing the inoculum and for subcultures used for the dilutions of disinfectant under test.		
QC Tests - (I)Dehydrated Medium		
Colour :	White to cream	
Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium		
pH (post autoclaving/heating) :	7.1 ± 0.2	
Colour (post autoclaving/heating) :	Colourless	
Clarity (post autoclaving/heating) :	clear solution without any precipitate	

Refer disclaimer Overleaf

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(III)Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 40-48 hours					
MICROORGANISM (ATCC)		GROWTH			
Pseudomonas aeruginosa (27853)		Luxuriant			
Salmonella Typhi A (6539)		Luxuriant			
Staphylococcus aureus (25923)		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 :	It is a chemically defined medium recommended by AOAC for growing inoculum, making subcultures and preparing various dilutions while testing disinfectants.				
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
B328	16.9 g/l	29.585 L	7.1 ± 0.2	0.1 ml of 10% sterile dextrose solution	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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