

TECHNICAL SHEET

B222	M-AZIDE BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Tryptose		40.00			
Yeast extract		10.00			
Dextrose		2.00			
Saccharose		100.00			
Dipotassium phosphate		4.00			
Sodium azide		0.40			
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 15.64 gms. in 100 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 1ml of 1% 2, 3, 5 Triphenyl Tetrazolium Chloride (BF044). Mix well before dispensing. Caution: Sodium azide has a tendency to form explosive metal azides with plumbing materials. It is advisable to use enough water to flush off the disposables.					
Principle :					
Tryptose, yeast extract provide essential growth nutrients. Dextrose and sucrose are the fermentable carbohydrates. Sodium azide is used as selective agent, which inhibits gram – negative bacteria. Sodium azide exerts bacteriostatic effect on gram – negative bacteria allowing unrestricted growth of gram – positive cocci, particularly Enterococci. TTC imparts pink to red colour to the colonies.					
QC Tests – (I)Dehydrated Medium					
Colour :		Cream to Yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.1 ± 0.2			
Colour (post autoclaving/heating) :		Light yellow			
Clarity (post autoclaving/heating) :		Clear			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 48 hrs with added 1% 2,3,5 Triphenyl Tetrazolium Chloride (BF044) at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		COLOUR OF COLONY	
Enterococcus faecalis (29212)		Luxuriant		Pink to red	
Escherichia coli (25922)		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 enumeration of Enterococci from water samples using membrane filter technique.				
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
B222	15.64g/l	31.96L	7.1 ± 0.2	1% 2,3,5 Triphenyl Tetrazolium Chloride	121°C / 15 minutes

Refer disclaimer Overleaf

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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