

TECHNICAL SHEET

B935	AZIDE DEXTROSE BROTH WITH BCP				
Formula					
Ingredients :					
	gms/lit.				
Casein enzymic hydrolysate	15.00				
Meat extract	4.50				
Glucose	7.50				
Sodium chloride	7.50				
Sodium azide	0.20				
Bromo cresol purple	0.015				
Final pH (at 25°C) : 7.2 ± 0.2					
Directions :					
Suspend 34.7 gms. in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Warning: 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 :					
Azide Dextrose Broth is a highly nutritious medium due to the presence of casein enzymic hydrolysate, meat extract and glucose which provide nitrogenous compounds, carbon, amino acids and trace elements. Sodium azide inhibits growth of gram-negative organisms and permit the cultivation of faecal Streptococci. Turbidity in tubes along with colour change to yellow indicate presence of Enterococci.					
QC Tests - (I) Dehydrated Medium					
	Colour :				
	Cream to yellow				
	Appearance :				
	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
	pH (post autoclaving/heating) :				
	7.2 ± 0.2				
	Colour (post autoclaving/heating) :				
	Purple				
	Clarity (post autoclaving/heating) :				
	Clear				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hrs. at 35-37°C.					
	MICROORGANISM (ATCC)	GROWTH	COLOUR OF MEDIUM		
	Enterococcus faecalis (29212)	Luxuriant	Yellow		
	E. coli (25922)	Inhibited	Purple		
Precautions :					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
3. IRRITANT. Harmful by inhalation and if swallowed. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) : Cardiovascular, Lungs, Nerves.					
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 detection of faecal Streptococci in water.					
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
B935	34.7 g/l	14.4 L	7.2 ± 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 BIOMARK LABORATORIES publications.

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