

TECHNICAL SHEET

B991	LACTOSE SULPHITE BROTH BASE				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate		5.00			
Yeast extract		2.50			
Sodium Chloride		2.50			
Lactose		10.00			
L-Cysteine hydrochloride		0.30			
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 20.3 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes containing inverted Durham's tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C and add filter-sterilized solution of 1.2% sodium metabisulphite (0.5ml) and 1.0% ferric ammonium citrate (0.5ml) to each tube.					
Principle :					
Casein enzymic hydrolysate and yeast extract provide essential nutrients. Sodium chloride maintains osmotic balance. Lactose is the fermentable carbohydrate. L-cysteine hydrochloride acts as a reducing agent. Sodium metabisulphite Ferric ammonium citrate detect H ₂ S production.					
QC Tests – (I)Dehydrated Medium					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post inspissation) :		7.1 ± 0.2			
Colour (post inspissation) :		Light amber			
Clarity (post inspissation) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24-48 hours 46±0.5°C.					
MICROORGANISM (ATCC)	GROWTH	GAS	H ₂ S		
Clostridium perfringens (13124)	Luxuriant	+	+		
Clostridium perfringens (12924)	Luxuriant	+	+		
Clostridium sporogenes (19404)	Luxuriant	+	-		
Clostridium sporogenes (11437)	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 :	Recommended for detection and enumeration of Clostridium perfringens in pharmaceutical products.				
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
B991	20.3g/l	24.63 lit	7.1 ± 0.2	1.2% Sodium metabisulphite (0.5ml) and 1.0% Ferric ammonium citrate (0.5ml)	121°C/15 min

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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