

TECHNICAL SHEET

B1464	LACTOSE SULPHITE BROTH BASE			
Formula				
Ingredients :		gms/lit.		
Enzymatic Digest of Casein	5.00			
Yeast extract	2.50			
Sodium Chloride	2.50			
Lactose	10.00			
L-Cysteine hydrochloride	0.30			
Disodium bisulphite	0.75			
Ammonium iron (III) citrate	0.625			
Final pH (at 25°C) : 7.1 ± 0.2				
Directions :				
Suspend 21.7 gms. in 1000 ml. distilled water. Heat to boiling 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. Use within a day.				
Principle :				
Enzymatic Digest of Casein and yeast extract provide essential nutrients. Sodium chloride maintains osmotic balance. Lactose is the fermentable carbohydrate. L-cysteine hydrochloride acts as a reducing agent.				
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 to medium amber			
Clarity (post inspissation) :	Clear to slightly opalescent			
(III) Q.C. Test Microbiological				
Cultural characteristics observed after 18-24hrs at 35-37°C.				
MICROORGANISM (ATCC)	GROWTH	GAS	H ₂ S	
Escherichia coli (25922)	Good	+	-	
Pseudomonas aeruginosa (27853)	Good	-	-	
Clostridium perfringens (13124)	Good	-	+	
Clostridium sporogenes (11437)	Good	-	+	
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. Recommended by ISO 7937:2004.			
Storage :	Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.			
Packing :	500 gm. bottle			
Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Sterilization
B1464	21.7g/l	24.63 lit	7.1 ± 0.2	121°C/15 min

Refer disclaimer Overleaf

TECHNICAL SHEET

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.