

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B384</b>	<b>REINFORCED CLOSTRIDIAL BROTH W/O AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		10.00			
Meat extract B#		10.00			
Yeast extract		3.00			
Dextrose		5.00			
Sodium chloride		5.00			
Sodium acetate		3.00			
Soluble starch		1.00			
L-Cysteine hydrochloride		0.50			
# Equivalent to Beef extract					
Final pH (at 25°C) : 6.8 ± 0.2					
<b>Directions :</b>					
Suspend 37.5 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving 115°C (10 lbs pressure) for 15 minutes.					
<b>Principle :</b>					
Casein enzymic hydrolysate, yeast extract, meat extract B, starch, L-cysteine and sodium acetate provide all the necessary nutrients for the growth of Clostridia. Dextrose is a fermentable carbohydrate in the medium while sodium chloride maintains osmotic equilibrium. These media can be made selective by addition of 15-20 mg Polymyxin B per liter of media					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		6.8 ± 0.2			
Colour (post autoclaving/heating) :		Medium amber			
Clarity (post autoclaving/heating) :		slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 24 - 48 hrs. at 35-37°C, in an anaerobic atmosphere.					
MICROORGANISM (ATCC )		GROWTH			
Bacteroides fragilis (23745 )		Good - luxuriant			
Bacteroides vulgatus (8482)		Good - luxuriant			
Clostridium butyricum (13732 )		Good - luxuriant			
Clostridium perfringens (12924)		Good - luxuriant			
<b>Precautions :</b>	1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>	It is recommended for the cultivation of Clostridia.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B384</b>	37.50 g/l	13.33 L	6.8 ± 0.2	Nil	115°C/15 min.

Refer disclaimer Overleaf

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