

TECHNICAL SHEET

B651	MODIFIED DIFFERENTIAL CLOSTRIDIAL BROTH				
Formula					
Ingredients :		gms/lit.			
Casein enzymic hydrolysate	5.00				
Meat peptone	5.00				
Meat extract	8.00				
Yeast extract	1.00				
Starch	1.00				
Dextrose	1.00				
L-Cysteine hydrochloride	0.50				
Sodium acetate	5.00				
Sodium bisulphite	0.50				
Ammonium ferric citrate	0.50				
Resazurin sodium	0.002				
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 27.5 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
Principle :					
This medium contains casein enzymic hydrolysate, meat extract, yeast extract and meat peptone which supply all the necessary nutrients mainly nitrogenous to the Clostridia. Dextrose is the fermentable carbohydrate while starch neutralizes the toxic fatty acids present or formed in the medium. Sodium sulphite and ferric ammonium citrate are the indicators for hydrogen sulphide production. L -Cysteine hydrochloride is a reducing agent which helps to generate anaerobic condition. Sodium resazurin is the redox indicator and helps to monitor anaerobiosis.					
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) :	Yellow				
Clarity (post autoclaving/heating) :	Slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 48 hours at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	COLOUR OF MEDIUM			
Clostridium perfringens (12924)	Luxuriant	Black			
Clostridium sporogenes (11437)	Luxuriant	Black			
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 enumeration of Clostridia from food stuffs and other samples by MPN 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
B651	27.5g/l	18.18L	7.1 ± 0.2	NIL	121°C / 15 minutes

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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