

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

BH306	REINFORCED CLOSTRIDIAL BROTH		
Formula			
Ingredients :	gms/lit.		
Peptone	10.00		
Meat extract b#	10.00		
Yeast extract	3.00		
Glucose monohydrate	5.00		
Sodium chloride	5.00		
Sodium acetate	3.00		
Starch, soluble	1.00		
L-Cysteine hydrochloride	0.50		
Agar	0.50		
#Equivalent to Beef extract			
Final pH (at 25°C) : 6.8 ± 0.2			
Directions :			
Suspend 37.54 grams (the equivalent weight of dehydrated medium per litre) in 1000 ml purified/distilled water. Heat to boiling to dissolve the medium completely. Dispense into tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes or as per validated cycle.			
Principle :			
Reinforced Clostridial broth contains Casein acid hydrolysate and Meat extract B as sources of carbon, nitrogen, vitamins and minerals. Yeast Extract supplies B –complex vitamins which stimulate bacterial growth. Dextrose is the carbohydrate source. Sodium Chloride maintains the osmotic balance. In low concentrations, Soluble Starch detoxifies metabolic by – products. Cysteine Hydrochloride is the reducing agent. Sodium Acetate acts as a buffer. The small amount of Agar makes the medium semisolid.			
QC Tests – (I)Dehydrated Medium			
Colour :	Cream to yellow		
Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium			
pH (post autoclaving/heating) :	6.8 ± 0.2		
Colour (post autoclaving/heating) :	Light yellow		
Clarity (post autoclaving/heating) :	Clear to slightly opalescent		
(III)Q.C. Test Microbiological			
Cultural characteristics observed after 24 – 48 hrs. at 30-35°C, in an anaerobic atmosphere.			
MICROORGANISM (ATCC)	GROWTH	INCUBATION PERIOD	
Growth Promoting:			
Bacteroides vulgatus (8482)	Good – luxuriant	<=48 hrs	
Clostridium sporogenes (19404)	Good – luxuriant	<=48 hrs	
Clostridium sporogenes (11437)	Good – luxuriant	<=48 hrs	
Additional Microbiological testing:			
Bacteroides fragilis (23745)	Good – luxuriant	24-48 hrs	
Clostridium sporogenes (13124)	Good – luxuriant	24-48 hrs	
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.		

Refer disclaimer overleaf

BIOMARK Laboratories-INDIAwww.biomarklabs.com**TECHNICAL SHEET**

Use :	For the enrichment of Clostridia and other anaerobes from pharmaceutical products in accordance to microbial limit testing by harmonized system of (USP/BP/EP/JP).				
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
BH306	37.54 g/l	13.39 L	6.8 ± 0.2	Nil	121 ⁰ 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.

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.