

TECHNICAL SHEET

B306	REINFORCED CLOSTRIDIAL BROTH				
Formula					
Ingredients :			gms/lit.		
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		
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 38.00 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes. Mix well and dispense as desired.					
Principle :					
Reinforced Clostridial Agar contains casein enzymic 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 byproducts. 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 very slight opalescent
(III) Q.C. Test Microbiological					
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 (9690)					Good - luxuriant
Clostridium perfringens (13124)					Good - luxuriant
Clostridium Sporogenes (19404)					Good - 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 :	For the cultivation and enumeration of Clostridia and other anaerobes.				
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
B306	38 g/l	13.16 L	6.8 ± 0.2	Nil	121°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 BIOMARKLABORATORIES publications.

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