

TECHNICAL SHEET

B1020	ELLNERS BROTH					
Formula						
Ingredients :		gms/lit.				
Proteose peptone		10.00				
Yeast extract		3.00				
Starch		3.00				
Magnesium sulphate		0.10				
Monopotassium phosphate		1.50				
Disodium phosphate		50.00				
Final pH (at 25°C) : 7.8 ± 0.2						
Directions :						
Suspend 67.6 grams in 1000 ml distilled water. Heat if necessary, to dissolve the medium completely. Dispense in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
This medium is composed of proteose peptone and yeast extract which supply the necessary nutrients for the growth of the Clostridia. Generally, the sporulation is stimulated by the carbohydrate source and hence starch is included in the medium. Sulphate and phosphate not only buffers the medium but also helps in sporulation. Clostridia are anaerobic organisms and hence anaerobiosis may be ensured by heating at 100°C for 10 minutes and cooling just before the inoculation.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.8 ± 0.2				
Colour (post autoclaving/heating) :		Amber				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 - 76 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	SPORULATION			
Clostridium perfringens (12924)		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 induction of spore formation of Clostridium perfringens.				
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
B1020		67.6g/l	7.39L	7.8 ± 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 BIOMARKLABORATORIES publications.

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