

TECHNICAL SHEET

B111	SYNCASE BROTH				
Formula					
Ingredients :					
	gms/lit.				
Casein acid hydrolysate	20.00				
Dipotassium phosphate	8.71				
Yeast extract	6.00				
Sodium chloride	2.50				
Final pH (at 25°C) : 8.5 ± 0.2					
Directions :					
Suspend 37.21 grams in 1000 ml distilled water. Heat, if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired. Note: The medium may form slight precipitate upon standing.					
Principle :					
Casein acid hydrolysate and yeast extract in the medium supply the necessary nitrogenous nutrients for the growth of coliforms. Dipotassium phosphate serves as buffering agent to maintain pH, whereas sodium chloride maintains osmotic equilibrium.					
QC Tests - (I) Dehydrated Medium					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	8.5 ± 0.2				
Colour (post autoclaving/heating) :	Light yellow				
Clarity (post autoclaving/heating) :	clear solution in tubes				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.					
MICROORGANISM (ATCC)	GROWTH				
Citrobacter freundii (8090)	luxuriant				
Enterobacter aerogenes (13048)	luxuriant				
Escherichia coli (25922)	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 :					
It is used for the detection of coliforms in food samples.					
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
B111	37.21 g/l	121.359L	8.5 ± 0.2	NIL	121°C / 15 minutes

Disclaimer:

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