

TECHNICAL SHEET

B1264	SUPER BROTH					
Formula						
Ingredients :		gms/lit.				
Casein enzymic hydrolysate		35.00				
Yeast extract		20.00				
Sodium chloride		5.00				
Final pH (at 25°C) : Self						
Directions :						
Suspend 60 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle :						
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, vitamin B complex and other essential growth nutrients. Sodium chloride maintains osmotic equilibrium. Super Broth is nutritionally rich hence other organisms can also grow in it easily.						
QC Tests – (I) Dehydrated Medium						
Colour :		Cream to yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
PH (post autoclaving/heating) :		Self				
Colour (post autoclaving/heating) :		Light yellow				
Clarity (post autoclaving/heating) :		clear solution without any precipitate				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 25-30°C for 18-24 hours.						
MICROORGANISM(ATCC)		GROWTH				
Escherichia coli (23724)		good-luxuriant				
Escherichia coli (25922)		good-luxuriant				
Staphylococcus aureus (25923)		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 :		It is used for the mass cultivation of Escherichia coli .				
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
B1264		60.0 g/l	8.33 L	Self	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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