

**TECHNICAL SHEET**

<b>B969</b>	<b>CASEIN HYDROLYSATE YEAST EXTRACT SALTS BROTH (CAYES)</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Casein acid hydrolysate	20.00				
Yeast extract	6.00				
Sodium chloride	2.50				
Dipotassium phosphate	8.71				
Final pH (at 25°C): 8.5+ 0.2					
<b>Directions :</b>					
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. If desired add 1ml of filter sterilized Trace Salts Solution (containing 5.0% magnesium sulphate, 0.5% manganese chloride, 0.5% ferric chloride dissolved with 0.1N Sulphuric acid).					
<b>Principle :</b>					
Casein acid hydrolysate and yeast extract provide necessary nitrogenous source, for growth of E. coli. Salts in the medium that is sodium chloride and dipotassium phosphate maintains osmotic balance of the cell. Dipotassium phosphate also helps in buffering of the medium.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :	Cream to yellow				
Appearance :	Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :	8.5 ± 0.2				
Colour (post autoclaving/heating) :	Amber				
Clarity (post autoclaving/heating) :	Clear solution without any precipitate				
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 –24 hrs. at 35-37°C.					
MICROORGANISM (ATCC )	GROWTH				
Escherichia coli(25922)	luxuriant				
<b>Precautions :</b>					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
<b>Limitations :</b>					
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
<b>Use :</b>					
It is recommended for isolation of Escherichia coli in foods.					
<b>Storage :</b>					
Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.					
<b>Packing :</b>					
500 gm bottle					
<b>Product profile:</b>					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B969</b>	37.21 g/l	13.43 L	8.5 ± 0.2	NIL	121°C / 15 minutes

**Disclaimer:**

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