

**TECHNICAL SHEET**

<b>B795</b>	<b>TRYPTONE PHOSPHATE BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymic hydrolysate		20.00			
Dipotassium phosphate		2.00			
Monopotassium phosphate		2.00			
Sodium chloride		5.00			
Polysorbate 80		1.50			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 30.5 gms. in 1000ml. distilled water. Heat if necessary to dissolve the medium completely. Dispense in 100 ml. aliquots and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Casein enzymic hydrolysate serves as a good source of nitrogen. Polysorbate 80 is the fatty acid source required for bacterial metabolism. The inorganic phosphates serve as the buffer while sodium chloride maintains the osmotic balance. To ascertain the productivity of this medium inoculate enteropathogenic E.coli and incubate at 44°C for 20 hours.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :		Yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 48 hrs at 35 - 37°C.					
MICROORGANISM (ATCC )		GROWTH			
Escherichia coli (25922)		Good – luxuriant			
<b>Precautions :</b>	<ol style="list-style-type: none"> <li>1. For Laboratory Use.</li> <li>2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li> </ol>				
<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>	For enrichment and cultivation of enteropathogenic Escherichia coli from suspected food samples.				
<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>B795</b>	30.5g/l	16.393L	7.0 ± 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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