

TECHNICAL SHEET

B1025	ENRICHMENT MEDIUM					
Formula						
Ingredients:		gms/lit.				
Peptic digest of animal tissue		40.00				
Yeast extract		6.00				
Dipotassium phosphate		3.00				
Agar		15.00				
Final pH (at 25°C): 7.0± 0.2						
Directions:						
Suspend 64 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
Peptic digest of animal tissue and yeast extract which serves as source of nitrogen, carbon, amino acids, vitamins and growth factors for growth of bacteria. Dipotassium phosphate buffers the medium well. Agar is solidifying agent. It can nourish and support the growth of gram-positive as well as gram-negative bacteria. It can also be supplemented with blood for enriched growth or study the haemolysis.						
QC Tests - (I) Dehydrated Medium						
Colour:		Light yellow				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.0± 0.2				
Colour (post autoclaving/heating):		Light amber				
Clarity (post autoclaving/heating):		Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-24hours at 35-37°C						
MICROORGANISM (ATCC)		GROWTH				
Escherichia coli (25922)		luxuriant				
Salmonella Typhi (6539)		luxuriant				
Staphylococcus aureus(25923)		luxuriant				
Streptococcus pyogenes(19615)		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 a highly nutritive medium which can be used as a general purpose enrichment agar base.				
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
B1025		64.0g/l	7.81L	7.0 ± 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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