BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B1275	**UNIVERSAL PRE-ENRICHMENT BROTH**

Formula

Ingredients:gms/lit.

Casein enzymic hydrolysate	5.00
Proteose peptone	5.00
Monopotassium phosphate	15.00
Disodium phosphate	7.00
Sodium chloride	5.00
Dextrose	0.50
Magnesium sulphate	0.25
Ferric ammonium citrate	0.10
Sodium pyruvate	0.20

Final pH (at 25°C) : 6.3± 0.2

Directions:

Suspend 38.05 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.

Principle:

Casein enzymic hydrolysate and proteose peptone serve as sources of carbon, nitrogen, vitamins and minerals. Dextrose serves as the source of energy. Phosphates buffer the medium. Magnesium sulphate, sodium chloride and ferric ammonium citrate provide essential ions required for metabolism. Sodium pyruvate stimulates the metabolism of injured organisms.This medium is sufficiently buffered to support growth of injured bacteria.

QC Tests – (I)Dehydrated Medium		
	Colour :	Light yellow to beige
	Appearance:	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating):	6.3 ± 0.2
	Colour (post autoclaving/heating):	Light amber
	Clarity (post autoclaving/heating):	Clear to slightly opalescent solution that may have a slight precipitate.
(III)Q.C. Test Microbiological		

Cultural characteristics observed after 18 - 24 hrs at 35-37 °C.

MICROORGANISM (ATCC)	GROWTH	
Listeria monocytogenes (19118)	Good	
Salmonella Enteritidis (13076)	Good	
Salmonella Typhimurium (14028)	Good	

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 recovering sublethally injured Salmonella and Listeria from food products.
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
B1275	38.05g/l	13.14 L	6.3 ± 0.2	Nil	121^0C / 15 minutes