

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B493	PE-2 MEDIUM					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		20.00				
Yeast extract		3.00				
Bromo cresol purple		0.04				
Final pH (at 25°C) : Self						
Directions :						
Suspend 23 gms. in 1000ml distilled water. Heat if necessary to dissolve the medium completely. Dispense 18-20 ml aliquots into 18 x 150 mm screw capped test tubes. Add 8-10 untreated Alaska seed peas and let the tubes stand for 1 hour to effect hydration. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
Principle :						
Peptic digest of animal tissue and yeast extract provide nitrogenous compounds, vitamin B complex and trace ingredients etc.for the growth of Clostridia. Addition of untreated Alaska seed peas creates anaerobic conditions in the medium.						
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) :		Purple				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs at 35-37 °C.						
MICROORGANISM (ATCC)		GROWTH				
Clostridium sporogenes (11437)		Good – luxuriant				
Clostridium botulinum (25763)		Good – luxuriant				
Clostridium thermosaccharolyticum (7956)		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 :		For detection and cultivation of mesophilic anaerobic sporeformers in specimens collected from food processing plants.				
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
B493		23g/l	21.739L	Self	8-10 untreated Alaska seed peas	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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