

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B190	SPECIMEN PRESERVATIVE MEDIUM BASE (SP HAJNA)					
Formula						
Ingredients :			gms/lit.			
Yeast extract		1.00				
Ammonium phosphate		4.00				
Monopotassium phosphate		2.00				
Sodium chloride		5.00				
Sodium citrate		5.00				
Magnesium sulphate		0.40				
Sodium deoxycholate		0.50				
Final pH (at 25°C) : 7.0 ± 0.2						
Directions :						
Suspend 17.9 grams in 700 ml distilled water. Heat if necessary to dissolve the medium completely. Add 300 ml of neutral glycerol. Mix well and dispense as desired. Sterilize by autoclaving at 115°C for 15 minutes.						
Principle :						
Specimen Preservative Medium is made inhibitory for gram-positive organisms by sodium deoxycholate and sodium citrate. Sodium, magnesium, potassium salts control permeability of bacterial cells. Sodium chloride helps in maintaining osmotic balance in medium. Yeasts extract acts as the source of nitrogen, vitamins and growth factors.						
QC Tests – (I) Dehydrated Medium						
Colour :					Cream to 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 solution	
(III) Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours						
MICROORGANISM (ATCC)			RECOVERY (ON SOYABEAN CASEIN DIGEST AGAR			
Enterobacter aerogenes (13048)			good-excellent, no increase in number			
Escherichia coli (25922)			good-excellent, no increase in number			
Klebsiella pneumoniae (13883)			good-excellent, no increase in number			
Shigella flexneri (12022)			good-excellent, no increase in number			
Salmonella Typhimurium (14028)			good-excellent, no increase in number			
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 collection, transportation and preservation of stool specimens or rectal swabs for the isolation of members of Enterobacteriaceae .				
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
B190		17.9 g/l	27.93 L	7.0 ± 0.2	neutral glycerol	115°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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