B032	**POTASSIUM CYANIDE BROTH BASE without KCN**
Formula	
Ingredients :	**gms/lit.**
Proteose peptone	3.00
Disodium phosphate	5.64
Monopotasium phosphate	0.225
Sodium chloride	5.00
Final pH (at 25°C) : 7.6 ± 0.2	
Directions :	
Suspend 13.9 gms. in 1000ml. distilled water. Heat if necessary to dissolve the medium completely. Dispense in 100 ml. amounts and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to room temperature and aseptically add sterile 1.5 ml. of 0.5% potassium cyanide solution to each 100 ml. of basal medium. Mix thoroughly and dispense in 1 ml. amounts.	
Principle :	
Proteose peptone provides nitrogenous compounds, sulphur, trace elements essential for growth. Phosphates buffer the medium well. Sodium chloride maintains osmotic equilibrium. Potassium cyanide inhibits many bacteria including Salmonella, Shigella and Escherichia while members of the Klebsiella, Citrobacter and Proteus groups grow well.	

QC Tests – (I)Dehydrated Medium				
	Colour :	Cream to Yellow		
	Appearance :	Homogeneous Free Flowing powder		
(II)Rehydrated medium				
	pH (post autoclaving/heating) :	7.6 ± 0.2		
	Colour (post autoclaving/heating) :	Light amber		
	Clarity (post autoclaving/heating) :	Clear		
(III)Q.C. Test Microbiological				
	Cultural characteristics observed after18 - 48 hrs at 35 - 37°C.			
	MICROORGANISM (ATCC)	GROWTH		
	Citrobacter freundii (8090)	Luxuriant		
	Klebsiella pneumoniae (13883)	Luxuriant		
	Proteus vulgaris (13315)	Luxuriant		
	Pseudomonas aeruginosa (27853)	Luxuriant		
	Escherichia coli (25922)	Inhibited		
	Salmonella enteritidis (13076)	Inhibited		
	Shigella flexneri (12022)	Inhibited		

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 differentiation of the members of Enterobacteriaceaeon the basis of potassium cyanide tolerance.
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
B032	13.9 g/l	35.971L	7.6 ± 0.2	0.5% potassium cyanide solution	121^{0}C / 15 minutes

Refer disclaimer Overleaf

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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