

B426	BILE PEPTONE TRANSPORT MEDIUM					
Formula						
Ingredients:			gms/litre			
Casein enzymic hydrolysate			10.00			
Sodium chloride			10.00			
Sodium taurocholate			5.00			
Final pH (at 25°C): 8.5 ± 0.2						
Directions:						
Suspend 25 grams in 1000 ml distilled water. Dispense into bottles. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. If desired, sterile potassium tellurite solution may be added after autoclaving to give a final concentration of 1 in 200,000 to make the medium more selective for Vibrios.						
Principle:						
Casein enzymic hydrolysate serves as a source of carbon, nitrogen and essential nutrients. Sodium taurocholate makes the medium selective for Vibrios. Sodium chloride makes the medium selective for the growth of cholera organisms. High alkaline pH is tolerated by Vibrios while it is detrimental to most of the accompanying coliforms, therefore making the medium selective. Addition of potassium tellurite further improves the selectivity of the medium.						
QC Tests – (I) Dehydrated Medium						
Colour:			Cream to yellow			
Appearance:			Homogeneous Free Flowing powder			
(II) Rehydrated medium						
pH (post autoclaving/heating) :			8.5 ± 0.2			
Colour (post autoclaving/heating):			Yellow			
Clarity (post autoclaving/heating):			Clear			
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18-48 hours at 35-37°C.						
ORGANISM (ATCC)		GROWTH				
Vibrio cholerae (15748)		good-luxuriant				
Vibrio fluvialis (33809)		good-luxuriant				
Vibrio vulnificus (29306)		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:		It is used for the safe collection, transport and preservation of cholera organisms				
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
B426		25.0 g/l	20.0 L	8.5 ± 0.2	None	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 BIOMARK LABORATORIES publications.

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