

TECHNICAL SHEET

B315	SALT POLYMYXIN BROTH BASE					
Formula						
Ingredients :			gms/lit.			
Casein enzymic hydrolysate			10.00			
Yeast extract			3.00			
Sodium chloride			20.00			
Final pH (at 25°C) :			8.8 ± 0.2			
Directions :						
Suspend 16.5 grams in 500 ml distilled water. Heat if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45 - 50°C and aseptically add rehydrated contents of 1 vial of Polymyxin B Selective Supplement (BF005). Mix well and dispense into sterile tubes or flasks as desired.						
Principle :						
Casein enzymic hydrolysate and yeast extract provide nitrogenous compounds, carbon, sulphur, trace elements and vitamin B complex, essential for the growth. Polymyxin B sulphate inhibits gram-positive organisms. Higher concentration of Sodium chloride is added for detection and enumeration of salt tolerant <i>Vibrio parahaemolyticus</i> . After the incubation a loopful is subculture on solid medium such as TCBS agar(B042) for further studies.						
QC Tests - (I)Dehydrated Medium						
Colour :			Cream to yellow			
Appearance :			Homogeneous Free Flowing powder			
(II)Rehydrated medium						
pH (post autoclaving/heating) :			8.8 ± 0.2			
Colour (post autoclaving/heating) :			Light yellow			
Clarity (post autoclaving/heating) :			Clear			
(III)Q.C. Test Microbiological						
Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours with added Polymyxin B Selective Supplement(BF005)						
MICROORGANISM (ATCC)			GROWTH			
<i>Vibrio parahaemolyticus</i> (11344)			Luxuriant			
<i>Vibrio cholerae</i> (14035)			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 enumeration of <i>Vibrio</i> species.				
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
B315		33g/l	15.151L	8.8 ± 0.2	Polymyxin B Selective Supplement (BF005).	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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