

**TECHNICAL SHEET**

<b>B1471</b>	<b>YERSINIA PSB BROTH</b>				
<b>Formula</b>					
<b>Ingredients:</b>		<b>gms/lit.</b>			
Peptone		5.00			
Sorbitol		10.00			
Sodium Chloride		5.00			
Disodium Hydrogen Phosphate		8.23			
Sodium Dihydrogen Phosphate		1.20			
Bile Salts		1.50			
Final pH (at 25°C): 7.6 ± 0.2					
<b>Directions :</b>					
Suspend 31.0 grams of dehydrated medium in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Peptic digest of animal tissue provides essential growth nutrients. Sodium chloride maintains osmotic equilibrium while phosphates buffer the medium well. Sorbitol is the energy source. Bile salts are added to make the medium selective for Yersinia species by inhibiting accompanying gram-positive bacteria.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.6 ± 0.2			
	Colour (post autoclaving/heating) :	Light yellow			
	Clarity (post autoclaving/heating) :	Clear very slightly hazy solution			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed at 25-30°C for 3-5 days					
	MICROORGANISM (ATCC )	GROWTH			
	Yersinia enterocolitica (27729)	good-luxuriant			
	Yersinia pseudotuberculosis (19833)	good-luxuriant			
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.			
<b>Use :</b>		for the detection of Yersinia enterocolitica in food and water samples.As per ISO 10273:1994			
<b>Storage :</b>		Dehydrated medium- below30°C Prepared medium– Between 2 to 8°C.			
<b>Packing :</b>		500 gm. bottle			
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement Sterilization
<b>B1471</b>	31 g/l	16.129 L	7.6 ± 0.2	Nil	121°C/15 min.

**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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