B1471	**YERSINIA PSB BROTH**
Formula	
Ingredients:	**gms/lit.**
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	

Directions :

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.

Principle :

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.

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 yellow
	Clarity (post autoclaving/heating) :	Clear very slightly hazy solution
(III)Q.C. Test Microbiological		
	Cultural characteristics observed at 25-30°C for 3-5 days	
	MICROORGANISM (ATCC)	GROWTH
	Yersinia enterocolitica (27729)	good-luxuriant
	Yersinia pseudotuberculosis (19833)	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 :	for the detection of Yersinia enterocolitica in food and water samples.As per ISO 10273:1994
Storage :	Dehydrated medium- below30°C Prepared medium– Between 2 to 8°C.
Packing :	500 gm. bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1471	31 g/l	16.129 L	7.6 ± 0.2	Nil	121^0C/15 min.