

**TECHNICAL SHEET**

<b>B457</b>	<b>PEPTONE WATER WITH PHENOL RED</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Peptic digest of animal tissue	10.00				
Sodium chloride	5.00				
Phenol red	0.02				
Final pH (at 25°C) : 6.8 ± 0.2					
<b>Directions :</b>					
Suspend 15 gms.in 1000 ml. distilled water. Add the test carbohydrate in desired quantity and dissolve completely. Dispense in tubes with or without inverted Durham's tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Peptic digest of animal tissue provides essential nutrients. To study the fermentation ability of carbohydrates saccharose, rhamnose, salicin are generally added in 0.5% amount separately to the basal medium before or after sterilization. Sodium chloride maintains osmotic equilibrium. Phenol red is the pH indicator.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :	Pink				
Appearance :	Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :	6.8 ± 0.2				
Colour (post autoclaving/heating) :	Red				
Clarity (post autoclaving/heating) :	Clear				
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 – 24 hrs. at 35-37°C.					
MICROORGANISM (ATCC )	SACCHAROSE ACID	L (+) RHAMNOSE ACID	SALICIN ACID		
<i>Yersinia enterocolitica</i> (27729)	+	+*	-		
<i>Yersinia pseudotuberculosis</i> (29833)	-	+***	+		
Key : * = moderate *** = occasional strains are rhamnose positive.					
<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 studying fermentation of <i>Yersinia enterocolitica</i> .				
<b>Storage :</b>	Dehydrated medium- below 30°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>B457</b>	15g/l	33.3333L	6.8 ± 0.2	NIL	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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