

<b>B834</b>	<b>ANDRADE PEPTONE WATER</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		10.00			
Sodium chloride		5.00			
Andrade indicator		0.10			
Final pH (at 25°C) :		7.4 ± 0.2			
<b>Directions :</b>					
Suspend 15.1 gms in 1000 ml. distilled water. Dissolve the medium and dispense in test tubes containing inverted Durham's tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to room temperature and aseptically add sterile stock solution of carbohydrate to a final concentration of 5% to 1.0% (w/v)					
<b>Principle :</b>					
Andrade Peptone Water is used for studying the various carbohydrate fermentation patterns of different organisms. The peptic digest used is free from fermentable carbohydrates and the medium is also free from nitrates which may interfere with gas production. Andrade indicator is a solution of acid fuchsin which when titrated with sodium hydroxide, change colour from pink to yellow. The Andrade indicator changes colour from yellow to pink as the pH decreases. The medium is pink when hot but becomes straw coloured on cooling. Test carbohydrate solutions should be sterilized separately and aseptically added to sterile Andrade Peptone Water. The biochemical identification of organisms capable of growing in this medium is made by various sugar fermentation results.					
<b>QC Tests – (I)Dehydrated Medium</b>					
Colour :		Cream to light yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.4 ± 0.2			
Colour (post autoclaving/heating) :		Light pink			
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 )	GROWTH	ACID*	ACID **		
Escherichia coli (25922)	Luxuriant	-	+		
Salmonella typhi ( 6539 )	Luxuriant	-	+		
Shigella sonnei (25931)	Luxuriant	-	+		
* Acid = Acid in absence of added Dextrose					
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<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>					
<b>B834 :</b> After carbohydrate addition, it is used to study fermentation reactions.					
<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>B834</b>	15.10 g/l	33.11 L	7.4 ±0.2	Sterile stock solution of carbohydrate	121°C/15 min.