

TECHNICAL SHEET

B835	ANDRADE PEPTONE WATER WITH MEAT EXTRACT				
Formula					
Ingredients :					
	gms/lit.				
Peptic digest of animal tissue	10.00				
Meat extract		3.00			
Sodium chloride		5.00			
Andrade indicator		0.10			
Final pH (at 25°C) :7.1± 0.2					
Directions :					
Suspend 18.1 grams in 1000 ml purified / distilled water. Heat if necessary to dissolve the medium completely 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 0.5% to 1.0% (w/v).					
Principle :					
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.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	7.1 ± 0.2			
	Colour (post autoclaving/heating) :	Light pink to straw			
	Clarity (post autoclaving/heating) :	Clear			
(III)Q.C. Test Microbiological					
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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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 :					
	As a basal medium for studying fermentation reactions of membrane of the Enterobacteriaceae.				
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
B835	18.10 g/l	27.62 L	7.1±0.2	Sterile stock solution of carbohydrate	121 ⁰ C/15 min.

Disclaimer:

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