

**TECHNICAL SHEET**

<b>B835</b>	<b>ANDRADE PEPTONE WATER WITH MEAT EXTRACT</b>					
<b>Formula</b>						
<b>Ingredients :</b>			<b>gms/lit.</b>			
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					
<b>Directions :</b>						
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).						
<b>Principle :</b>						
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.						
<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) :				7.1 ± 0.2	
	Colour (post autoclaving/heating) :				Light pink to straw	
	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 in absence of dextrose	Gas in absence of dextrose	Acid with added dextrose	Gas in presence of dextrose
	Escherichia coli (25922)	Luxuriant	negative reaction	negative reaction	positive reaction, colour changes to pink-red	positive reaction
	Klebsiella pneumoniae ATCC 13883	Luxuriant	negative reaction	negative reaction	positive reaction, colour changes to pink-red	positive reaction
	Proteus vulgaris (13315)	Luxuriant	negative reaction	negative reaction	positive reaction	positive reaction
	Salmonella typhi (6539)	Luxuriant	negative reaction	negative reaction	positive reaction	negative reaction
	Salmonella typhimurium (14028)	Luxuriant	negative reaction	negative reaction	positive reaction	positive reaction
	Shigella flexneri (12022)	Luxuriant	negative reaction	negative reaction	positive reaction	negative reaction
	Shigella sonnei (25931)	Luxuriant	negative reaction	negative reaction	positive reaction	positive reaction
<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>		As a basal medium for studying fermentation reactions of membrane of the Enterobacteriaceae.				
<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>B835</b>	18.10 g/l		27.62 L	7.1±0.2	Sterile stock solution of carbohydrate	121°C/15 min.

Refer disclaimer overleaf

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