

TECHNICAL SHEET

B035	PEPTONE WATER					
Formula						
Ingredients: gms/lit.						
Peptic digest of animal tissue 10.00						
Sodium chloride 5.00						
Final pH (at 25°C) : 7.2 ± 0.2						
Directions :						
Suspend 15 grams 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.						
Principle :						
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.						
QC Tests - (I) Dehydrated Medium						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light amber to light yellow				
Clarity (post autoclaving/heating) :		Clear to very slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 - 24 hrs. at 35 - 37°C.						
MICROORGANISM (ATCC)		GROWTH	INDOLE TEST			
Escherichia coli (25922)		Luxuriant	positive reaction, red ring at the interface of the medium on addition of Kovac's reagent (BA068)			
Salmonella typhimurium (14028)		Luxuriant	negative reaction, no red ring at the interface of the medium on addition of Kovac's reagent (BA068)			
Staphylococcus aureus (25923)		Luxuriant	negative reaction, no red ring at the interface of the medium on addition of Kovac's reagent (BA068)			
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 all-purpose growth medium and as the basis of carbohydrate fermentation media.				
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
B035	15 g/l	33.333L	7.2 ± 0.2	NIL	121°C / 15 minutes	