

TECHNICAL SHEET

B1431	PEPTONE TRYPTONE WATER					
Formula						
Ingredients:			gms/lit.			
Tryptone			10.00			
Sodium chloride			5.00			
Final pH (at 25°C): 7.3 ± 0.2						
Directions :						
Suspend 15 gms. in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Dispense into tubes & sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
Principle:						
Tryptone is a good substrate for indole production because of its high tryptophan content. Certain organisms breakdown the amino-acid tryptophan with the help of enzymes that mediate the production of indole by hydrolytic activity. The indole produced can be detected by either Kovac's or Ehrlich's reagent(BA068). Indole combines with the aldehyde present in the above reagent to give red colour in the alcohol layer. The alcohol layer extracts and concentrates the red colour complex.						
QC Tests – (I)Dehydrated Medium						
Colour :			Cream to light yellow			
Appearance :			Homogeneous Free Flowing powder			
(II)Rehydrated medium						
pH (post autoclaving/heating) :			7.3 ± 0.2			
Colour (post autoclaving/heating) :			Light yellow			
Clarity (post autoclaving/heating) :			Clear			
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)			INDOLE REACTION			
Escherichia coli (25922)			+			
Klebsiella pneumoniae (23357)			-			
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 :		For detection of indole producing microorganisms. Recommended by ISO7251				
Storage :		Dehydrated medium- below 30 ° C Prepared mediums- Between 2 to 8°C.				
Packing :		500 gm. bottle				
Product profile:		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1431		15g/l	33.33L	7.3 ± 0.2	NIL	121°C /15 min.

Refer disclaimer Overleaf

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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 BIOMARKLABORATORIES publications.

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