

<b>B214</b>	<b>KOHN TWO TUBE MEDIUM NO.2</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		10.00			
Casein enzymic hydrolysate		10.00			
Sucrose		10.00			
Salicin		10.00			
Sodium chloride		5.00			
Sodium thiosulphate		0.016			
Disodium hydrogen orthophosphate		0.09			
Bromo thymol blue		0.02			
Agar		3.00			
Final pH (at 25°C) : 7.4 ± 0.2					
<b>Directions :</b>					
Suspend 48.13 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes. Cool the tubed medium in an upright position.					
<b>Principle :</b>					
Peptic digest of animalt issue and Casein enzymic hydrolysate provide nutritional requirements. Sucrose and Salicin are fermentable carbohydrates. Sodium chloride maintains osmotic equilibrium. Sodium thiosulphate enhances H <sub>2</sub> S production. Bromothymol blue is pH indicator.					
<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) :		7.4 ± 0.2			
Colour (post autoclaving/heating) :		Green			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 –24 hrs.at 35-37°C.					
MICROORGANISM (ATCC )	FERMENTATION OF SUCROSE/SALIICIN	MOTILITY	H <sub>2</sub> S PRODUCTION	INDOLE	
Salmonella typhi ( 6539 )	-	+	+	-	
Salmonella typhimurium (14028)	-	+	±	-	
Shigella sonnei (25931)	-	-	-	-	
Shigella flexneri (12022)	-	-	-	±	
Shigella scjmitzi	-	-	-	+	
Proteus vulgaris (13315 )	AG or -	+	±	±	
Key : AG = acid and gas production - = negative reaction ± = variable 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>	For identification of Enterobacteriaceae on the basis of sucrose and salicin fermentation, motility, hydrogen sulphide and indole production.				
<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>B214</b>	48.13g/l	10.38L	7.4 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

**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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