

**TECHNICAL SHEET**

<b>B213</b>	<b>KOHN TWO TUBE MEDIUM NO.1 BASE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		15.00				
Meat extract B #		2.00				
Yeast extract		2.00				
Dextrose		1.00				
Mannitol		10.00				
Phenol red		0.05				
Agar		16.00				
# Equivalent to Beef extract						
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 46.05 gms.in 975ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes. Cool to 60°C and aseptically add 25 ml of sterile 40% (w/v) Urea solution. Mix well and make slants with a generous butt.						
<b>Principle :</b>						
Peptic digest of animal tissue, Meat extract B and Yeast extract provide essential nutrients. Dextrose and Mannitol are fermentable carbohydrates. Phenol red is pH indicator. Agar is solidifying agent.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Light yellow to light Pink				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Pink				
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 DEXTROSE	FERMENTATION OF MANNITOL	UREASE PRODUCTION		
Salmonella typhi ( 6539 )		AG	A	-		
Salmonella enteritidis ( 13076 )		AG	A	-		
Shigella sonnei (25931)		A	A	-		
Shigella flexneri (12022)		A	A	-		
Proteus vulgaris (13315 )		(-)	(-)	+		
Key : A = acid production AG = acid and gas production						
<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 dextrose and mannitol fermentation and urease 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>B213</b>	46.05g/l		10.86L	7.2 ± 0.2	40% (w/v) Urea solution	115°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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