

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B714	MILK AGAR (BROWN AND SCOTT MODIFIED) (TWIN PACK)				
Formula					
Ingredients :		gms/lit.			
Part A :					
Instant Non-Fat Milk		100.00			
Part B :					
Peptic digest of animal tissue		5.00			
Sodium chloride		5.00			
Bile salts mixture		1.50			
Yeast extract		1.50			
Agar		15.00			
Final pH (at 25°C) : 7.4 ± 0.2					
Directions :					
Part A: Suspend 100 gms. in 500 ml. distilled water. Sterilize by autoclaving at 15 lbs pressure (121°C) for 5 minutes. Cool to 55°C.					
Part B: Suspend 28gms. in 500ml of distilled water and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool rapidly to 55°C. Mix Part A and Part B together and pour into sterile petri plates.					
Principle :					
Milk, peptic digest of animal tissue, yeast extract provide all the necessary nutrients mainly nitrogenous for the multiplication of Pseudomonas aeruginosa. Bile salts mixture inhibits gram – positive organism. Pseudomonas aeruginosa forms yellowish green colonies on this medium.					
QC Tests – (I) Dehydrated Medium					
Colour :	Part A - Cream Part B – Light yellow				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	7.4 ± 0.2				
Colour (post autoclaving/heating) :	Light yellow				
Clarity (post autoclaving/heating) :	Opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 24 hours at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH	PIGMENT PRODUCTION			
Pseudomonas aeruginosa (27853)	Luxuriant	Yellowish green			
Escherichia coli (25922)	Inhibited	--			
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 the confirmation of Pseudomonas aeruginosa in swimming pool waters.				
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
B714	128g/l	3.906L	7.4 ± 0.2	NIL	121°C / 15 minutes

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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