

TECHNICAL SHEET

B723	SKIM MILK				
Formula					
Ingredients :					gms/lit.
Skim milk powder					100.00
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 100 gms in a little amounts of distilled water to make a smooth paste. Gradually add more distilled water to make a final volume of 1000 ml. Dispense & sterilize by autoclaving at 15 lbs pressure (121°C) for 5 minutes.					
Principle :					
Skim milk is a source of lactose and casein. Hydrolysis of casein is detected by visible formation of a clot. Skim milk serves as a good source of casein.					
QC Tests – (I)Dehydrated Medium					
Colour :					Cream to beige
Appearance :					Homogeneous Free Flowing powder
(II)Rehydrated medium					
pH (post autoclaving/heating) :					7.0 ± 0.2
Colour (post autoclaving/heating) :					White to off white
Clarity (post autoclaving/heating) :					Opaque
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 – 24 hrs. at 35- 37°C.					
MICROORGANISM (ATCC)		GROWTH	PROTEOLYTIC ACTIVITY		
Bacillus subtilis (6633)		Luxuriant	+		
Escherichia coli (25922)		Luxuriant	-		
Pseudomonas aeruginosa (27853)		Luxuriant	+		
Proteus mirabilis (25933)		Luxuriant	+		
Enterococcus faecalis (29212)		Luxuriant	-		
Serratia marcescens (8100)		Luxuriant	+		
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.					
2. Skim Milk supports growth of many microorganisms. Perform microscopic examination and other biochemical tests to identify isolates to the genus and species level, if necessary.					
Use :					
B723 : For cultivation of dairy organisms and differentiation of Clostridium species.					
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
B723	100g/l	5L	7.0 ± 0.2	NIL	121°C / 15 minutes