

**TECHNICAL SHEET**

<b>B724</b>	<b>SKIM MILK AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Skim milk powder		28.00			
Casein enzymic hydrolysate		5.00			
Yeast extract		2.50			
Dextrose		1.00			
Agar		15.00			
Final pH (at 25°C) : 7.0 ± 0.2					
<b>Directions :</b>					
Suspend 51.5 grams of in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates.					
<b>Principle :</b>					
Skim milk is a source of lactose and casein. Hydrolysis of casein is detected by visible formation of a clot. Casein enzymic hydrolysate and yeast extract provide the essential nitrogenous nutrients, carbon, sulphur, vitamin B complex and trace elements to the organisms. Dextrose is the fermentable carbohydrate.					
<b>QC Tests – (I)Dehydrated Medium</b>					
	Colour :	Cream to beige			
	Appearance :	Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
	pH (post autoclaving/heating) :	7.0 ± 0.2			
	Colour (post autoclaving/heating) :	White to off white			
	Clarity (post autoclaving/heating) :	Opaque			
<b>(III)Q.C. Test Microbiological</b>					
	Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours				
	MICROORGANISM (ATCC )	GROWTH	PROTEOLYTIC ACTIVITY		
	Bacillus subtilis (6633)	Good-luxuriant	Positive reaction, clear zone surrounding colonies		
	Escherichia coli (25922)	God-luxuriant	Negative reaction, no clear zone surrounding colonies		
	Pseudomonas aeruginosa (27853)	Luxuriant	Positive reaction, clear zone surrounding colonies		
	Proteus mirabilis (25933)	Luxuriant	Positive reaction, clear zone surrounding colonies		
	Enterococcus faecalis (29212)	Luxuriant	Negative reaction, no clear zone surrounding colonies		
	Serratia marcescens (8100)	Luxuriant	Positive reaction, clear zone surrounding colonies		
<b>Precautions :</b>		1. For Laboratory Use.			
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
<b>Limitations :</b>		1. Some strains show less growth due to variable nutritional requirements,			
		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.			
<b>Use :</b>		For cultivation and enumeration of microorganisms encountered in dairy industry.			
<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>B724</b>	51.5g/l	9.708L	7.0 ± 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 BIOMARK LABORATORIES publications.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.