

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B314</b>	<b>SALT MEAT BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		10.00			
Meat extract B #		10.00			
Neutral Ox-heart tissue		30.00			
Sodium chloride		100.00			
#Equivalent to beef extract					
Final pH (at 25°C) : 7.6 ± 0.2					
<b>Directions :</b>					
Suspend 15 gms. in 100ml. distilled water. Soak for 5 minutes. Boil to dissolve the medium completely. Disperse and dispense in 5/8 inch diameter test tube. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Salt Meat Broth is an enrichment medium for the isolation of halophilic Staphylococci from contaminated samples such as faces especially in case of food poisoning. This medium can detect even less numbers of Staphylococci from large numbers of other bacteria. This medium can also be used to cultivate some halophilic Micrococci associated with hides and raw salt supplies.					
<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) :		7.6 ± 0.2			
Colour (post autoclaving/heating) :		Yellow			
Clarity (post autoclaving/heating) :		Clear			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 - 48 hrs at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH			
Staphylococcus aureus (25923)		Luxuriant			
Escherichia coli (25922)		Inhibited			
Proteus vulgaris (13315)		Inhibited			
<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>					
Enrichment medium for the isolation of Staphylococci from grossly contaminated specimens.					
<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>B314</b>	150g/l	3.333L	7.6 ± 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.

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