

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>BW427</b>	<b>BILE SALT AGAR</b>					
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/litre</b>				
Peptic digest of animal tissue		10.00				
Meat extract		5.00				
Sodium chloride		5.00				
Sodium taurocholate		5.00				
Agar		15.00				
Final pH (at 25°C): 8.5 ± 0.2						
<b>Directions:</b>						
Suspend 40 grams 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. Mix well and pour into sterile Petri plates						
<b>Principle:</b>						
Peptic digest of animal tissue and meat extract which provide nitrogenous compounds and other essential nutrients for the growth of enteric bacilli. Sodium taurocholate inhibits contaminating gram-positive organisms. Sodium chloride maintains the osmotic balance of the medium.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour:		Light yellow				
Appearance:		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		8.5 ± 0.2				
Colour (post autoclaving/heating):		Light yellow				
Clarity (post autoclaving/heating):		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18-24 hours at 35-37°C.						
ORGANISM (ATCC)		GROWTH				
Enterobacter aerogenes (13048)		luxuriant				
Escherichia coli (25922)		luxuriant				
Staphylococcus aureus (25923)		inhibited				
Salmonella Typhi (6539)		luxuriant				
Vibrio cholerae (15748)		luxuriant				
<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>		It is recommended for isolation and identification of bile tolerant bacteria responsible for food poisoning. It is recommended by BIS committee under the specifications IS:5887(Part V) -1976.				
<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>BW427</b>		40 g/l	12.5L	8.5± 0.2	None	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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