

**TECHNICAL SHEET**

<b>B1446</b>	<b>TRYPTONE BILE AGAR</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Tryptone		20.00				
Bile salts no.3		1.50				
Agar		14.00				
Final pH (at 25°C) : 7.2 ± 0.2						
<b>Directions :</b>						
Suspend 35.5 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Tryptone supply nutrients for their growth. Bile salt also inhibits growth of Enterobacter aerogenes. Agar is the solidifying agent.						
<b>QC Tests – (I) Dehydrated Medium</b>						
Colour :		Yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24 hrs at 44°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (25922)		Luxuriant				
Salmonella thymurium (14028)		Luxuriant				
Enterobacter aerogenes (13048)		Inhibited				
Enterococcus faecalis (19433)		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>		It is used for detection Escherichia coli in foods and water by MF techniques. Recommended by IOS 9308-1(2000)				
<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>B1446</b>		35.5g/l	14.084 L	7.2 ± 0.2	NIL	121°C /15 min.

**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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