

**TECHNICAL SHEET**

<b>B1385</b>	<b>ENDO BROTH</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Peptic digest of animal tissue		10.00			
Lactose		10.00			
Dipotassium phosphate		3.50			
Sodium sulphite		2.50			
Basic fuchsin		0.50			
Final pH (at 25°C) : 7.5 ± 0.2					
<b>Directions :</b>					
Suspend 26.5 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.					
<b>Principle :</b>					
Lactose – fermenting bacteria produce acetaldehyde. The aldehyde is fixed by the sodium sulfite and in the presence of fuchsin forms red colonies. A sheen is produced by rapid lactose fermenting organisms. Lactose non – fermenting bacteria form clear, colorless colonies. Medium contains Peptone as a source of carbon, nitrogen, vitamins and minerals. Lactose is the carbohydrate source. Basic Fuchsin in the presence of Sodium sulfite produces the red colonies.					
<b>QC Tests – (I) Dehydrated Medium</b>					
Colour :		Light purple			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.5 ± 0.2			
Colour (post autoclaving/heating) :		Orangish pink			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18-24 hrs.at 35- 37°C.					
MICROORGANISM (ATCC )		GROWTH	COLOR		
Enterobacter aerogenes (13048)		Luxuriant	Pink		
Escherichia coli (25922)		Luxuriant	Pink to rose red		
Salmonella typhi ( 6539 )		Luxuriant	Colourless to pale pink		
Shigella sonnei (25931)		Luxuriant	Colourless to pale pink		
Klebsiella pneumoniae (13883 )		Luxuriant	Pink		
Proteus vulgaris (13315 )		Luxuriant	Colourless to pale pink		
Pseudomonas aeruginosa (27853)		Luxuriant	Colourless		
Staphylococcus aureus (25923)		Inhibited	---		
<b>Precautions :</b>	<ol style="list-style-type: none"> <li>1. For Laboratory Use.</li> <li>2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li> <li>3. HARMFUL. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) :Liver, Thyroid.</li> </ol>				
<b>Limitations :</b>	<ol style="list-style-type: none"> <li>1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.</li> <li>2. If the medium is to be used the same day it is rehydrated, it does not need to be autoclaved. Boil to dissolve completely before dispensing into plates.</li> </ol>				
<b>Use :</b>	For the confirmation of the presumptive test for members of the coliform group.				
<b>Storage :</b>	Dehydrated medium- below 30°C Prepared medium – 2 to 8°C. away from light to avoid photoxidation.				
<b>Packing :</b>	500 gm. bottle				
<b>Product profile:</b>	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1385</b>	26.5g/l	18.86 L	7.5 ± 0.2	Nil	121°C / 15 minutes

Refer disclaimer overleaf

**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 BIOMARKLABORATORIES publications.

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