

**TECHNICAL SHEET**

<b>BS027</b>	<b>ANTIBIOTIC ASSAY MEDIUM NO.40</b>					
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		2.50				
Casein enzymic hydrolysate		2.50				
Yeast extract		20.00				
Dextrose		10.00				
Potassium dihydrogen phosphate		2.00				
Polysorbate 80		0.1				
Agar		10.00				
Final pH (at 25°C) : 6.7 ± 0.2						
<b>Directions :</b>						
Suspend 47.1 gms in 1000ml. distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Nutrients and growth factors are supplied by the ingredients like Peptic digest of animal tissues, Casein hydrolysate and Yeast extract. Dextrose as a sugar is also supplemented as a carbon and energy source. Agar is the solidifying agent.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating):		6.7 ± 0.2				
Colour (post autoclaving/heating) :		Light to medium light amber				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18-24 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH	ANTIBIOTICS ASSAYED			
Enterococcus hirae (10541)		Luxuriant	Thiostrepton			
<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 in microbiological assay of Thiostrepton using Enterococcus hirae as test organism as per USP.				
<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>BS027</b>		47.1 g/l	10.61 L	6.7 ± 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 BIOMARKLABORATORIES publications.

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