

**TECHNICAL SHEET**

<b>B551</b>	<b>HS MEDIUM</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymic hydrolysate		15.00				
Yeast extract		5.00				
Sodium hydrosulphite		0.50				
Sodium chloride		2.50				
Dextrose		5.50				
Resazurin		0.001				
Agar		1.00				
Final pH (at 25°C) : 7.1 ± 0.2						
<b>Directions :</b>						
Suspend 29.5 gms in 1000 ml distilled water Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Casein enzymic hydrolysate and yeast extract supply essential nutrients such as amino acids, carbon, sulphur and minerals. Sodium hydrosulphite helps to create anaerobic atmosphere as it is an oxygen scavenger. Dextrose is the fermentable carbohydrate and resazurin is the redox indicator.						
<b>QC Tests - (I) Dehydrated Medium</b>						
Colour :		Cream to light beige				
Appearance :		Homogeneous Free Flowing powder				
<b>(II) Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.1 ± 0.2				
Colour (post autoclaving/heating) :		Light straw coloured solution with upper 1/5 have pinkish tinge on standing.				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18- 48 hrs.at 35 - 37°C.						
MICROORGANISM (ATCC )		GROWTH				
*Clostridium perfringens (12924)		Good -Luxuriant				
Corynebacterium diphtheriae (11913)		Good -Luxuriant				
Enterobacter aerogenes (13048)		Good -Luxuriant				
Staphylococcus aureus (25923)		Good -Luxuriant				
Streptococcus pyogenes (19615)		Good -Luxuriant				
Key : * = incubated anaerobically						
<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>		For cultivation of aerobic as well anaerobic bacteria and sterility testing.				
<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>B551</b>		29.5 g/l	16.94 L	7.1 ± 0.2	Nil	121°C/15min.

**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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