

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1059</b>	<b>HEMORRHAGIC COLI (HC) AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzyme hydrolysate		20.00			
Sorbitol		20.00			
Sodium chloride		5.00			
Bile salts		1.12			
Bromo cresol purple		0.015			
Agar		15.00			
Final pH (at 25°C) : 7.2 ± 0.2					
<b>Directions :</b>					
Suspend 61.13 gms 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.					
<b>Principle :</b>					
Casein enzyme hydrolysate supply essential nutrients. Sorbitol is fermentable carbohydrate. Sodium chloride maintains osmotic balance. Bromocresol purple is pH indicator. Agar is solidifying agent. Bile salts inhibit accompanying gram-positive bacteria.					
<b>QC Tests - (I) Dehydrated Medium</b>					
Colour :		Cream to yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II) Rehydrated medium</b>					
pH (post autoclaving/heating) :		7.2 ± 0.2			
Colour (post autoclaving/heating) :		Purple			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III) Q.C. Test Microbiological</b>					
Cultural characteristics observed after 16-20 hrs.at 43°C.					
MICROORGANISM (ATCC )		GROWTH			
Escherichia coli (015.H7)		Luxuriant			
Proteus mirabilis (25933)		Good			
<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>					
		Hemorrhagic coli (HC) Agar is recommended for isolation and enumeration of Escherichia coli with an enzyme labelled monoclonal antibody.			
<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>B1059</b>	61.13 g/l	16.35 L	7.2± 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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