

**BIOMARK Laboratories-INDIA**  
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**TECHNICAL SHEET**

<b>B1092</b>		<b>KANAMYCIN ESCULIN AZIDE BROTH</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymichydrolysate		20.00				
Yeast extract		5.00				
Sodium chloride		5.00				
Sodium citrate		1.00				
Esculin		1.00				
Ferric ammonium citrate		0.50				
Sodium azide		0.15				
Kanamycin sulphate		0.02				
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 32.67 gms. in 1000ml. distilled water. Boil to dissolve the medium completely. Dispense as desired. Sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Casein enzymichydrolysate, yeast extract provides essential nutrients for Enterococci. Kanamycin sulphate and sodium azide are the selective inhibitory components. Esculin and ferric ammonium citrate together form indicator system to detect esculin – hydrolysing Streptococci.						
<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) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Medium amber				
Clarity (post autoclaving/heating) :		Clear solution / slightly opalescent gel with purpish tinge forms in tubes.				
<b>(III) Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18-24 hrs at 35-37°C or 42°C.						
MICROORGANISM (ATCC)		GROWTH	ESCULIN HYDROLYSIS			
Enterococcus faecium (19434)		Luxuriant	+			
Streptococcus bovis (27960)		Luxuriant	+			
Escherichia coli (25922)		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>						
For selective isolation and identification of group D Streptococci in foodstuffs.						
<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>B1092</b>		32.67g/l	15.30L	7.0 ± 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. The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

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