

**TECHNICAL SHEET**

<b>B970</b>	<b>CASEIN MAGNESIUM BROTH</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Casein enzymichydrolysate		10.00				
Sodium chloride		5.00				
Magnesium sulphate		0.94				
Final pH (at 25°C) : 7.0 ± 0.2						
<b>Directions :</b>						
Suspend 16 gms. in 1000 ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes.						
<b>Principle :</b>						
Casein enzymichydrolysate supply the essential nitrogenous nutrients for the growth of recombinant E. coli. Sodium chloride maintains the osmotic balance of the medium. Magnesium sulphate is incorporated in the medium as magnesium ion which is necessary for a variety of enzymatic reactions including the DNA replication.						
<b>QC Tests - (I)Dehydrated Medium</b>						
Colour :		Light beige				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.0 ± 0.2				
Colour (post autoclaving/heating) :		Amber				
Clarity (post autoclaving/heating) :		Clear				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 18 -24 hrs. at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH				
Escherichia coli (23724)		Good - luxuriant				
Escherichia coli (53868)		Good - luxuriant				
<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 use in the cultivation of recombinant strains of Escherichia coli.				
<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>B970</b>	16g/l	31.25L	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.