

<b>B1298</b>	<b>CARY – BLAIR MEDIUM</b>				
<b>Formula</b>					
<b>Ingredients :</b>					
	<b>gms/lit.</b>				
Disodium phosphate	1.10				
Sodium thioglycollate	1.50				
Sodium chloride	5.00				
Agar	5.00				
Final pH (at 25°C) : 8.4 ± 0.2					
<b>Directions :</b>					
Suspend 12.6 grams in 991 ml distilled water. Heat to boiling to dissolve the medium completely. Cool to 50°C and aseptically add 9 ml of 1% aqueous calcium chloride solution. Adjust pH to 8.4 if necessary. Distribute in 7 ml amounts in screw-capped tubes. Steam for 15 minutes. Cool and tighten the caps.					
<b>Principle :</b>					
The medium is prepared with minimal nutrients to increase the survival of the organisms without multiplying. Sodium thioglycollate is incorporated in the medium to provide a low oxidation – reduction potential. The pH of the medium is relatively alkaline which minimizes the bacterial destruction due to the formation of acid. Medium can maintain viability of fastidious microorganisms for only a short period of time. It is recommended that best results are obtained by direct inoculation of isolate and inoculation of enriched medium at the same time specimen is inoculated into transport medium.					
For collection of the specimen, use sterile cotton tipped swabs on wooden sticks. Push the swabs down to one third of the medium depth and cut the stick so that when the cap is screwed down, the swab is forced to the bottom of the medium. Tighten the cap firmly on the bottle. The specimen will be preserved and the viability of the organisms will be also maintained during transport, but over the time it will diminish. Therefore direct inoculation of the specimen is advised. Some growth of accompanying contaminants may also occur during longer period of transit. The specimen should be inoculated into a proper medium as soon as possible.					
<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) :	8.4 ± 0.2			
	Colour (post autoclaving/heating) :	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 when subcultured on Tryptone Soya Agar B039				
	MICROORGANISM (ATCC )	GROWTH			
	Enterobacter aerogenes (13048)	Good-luxuriant			
	Escherichia coli (25922)	Good-luxuriant			
	Klebsiella pneumoniae (13883)	Good-luxuriant			
	Salmonella typhimurium (14028)	Good-luxuriant			
	Shigella flexneri (12022)	Good-luxuriant			
	Vibrio cholerae (15748 )	Good-luxuriant			
	Vibrio parahaemolyticus (11344)	Good-luxuriant			
	Neisseria meningitidis (13090)	Good-luxuriant			
<b>Precautions :</b>	<ol style="list-style-type: none"> <li>1. For Laboratory Use.</li> <li>2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li> <li>3. IRRITANT : Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed.</li> </ol>				
<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 collection and shipment of clinical specimens.				
<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>B1298</b>	12.6 g/l	39.682 L	8.4 ± 0.2	1% aqueous calcium chloride	Steam for 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.