

B017	CARY - BLAIR MEDIUM BASE (TRANSPORT MEDIUM W/O CHARCOAL)				
Formula					
Ingredients :		gms/lit.			
Disodium phosphate	1.10				
Sodium thioglycollate	1.50				
Sodium chloride	5.00				
Agar	5.00				
Final pH (at 25°C) : 8.4 ± 0.2					
Directions :					
Suspend 12.6 grams in 991 ml. distilled water. Boil 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.					
Principle :					
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.					
QC Tests – (I) Dehydrated Medium					
Colour :	Cream to yellowish white				
Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium					
pH (post autoclaving/heating) :	8.4 ± 0.2				
Colour (post autoclaving/heating) :	Light amber				
Clarity (post autoclaving/heating) :	Slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18-24 hours at 35-37°C when sub cultured on Tryptone Soya Agar (B018)					
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 (17802)	Good-luxuriant				
Neisseria meningitidis (13090)	Good-luxuriant				
Precautions :					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
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.					
Limitations :					
1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.					
Use :					
For collection and shipment of clinical specimens.					
Storage :					
Dehydrated medium- below 30°C Prepared medium– Between 2 to 8°C.					
Packing :					
500 gm bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B017	12.6g/l	39.68L	8.4 ± 0.2	1% aqueous calcium chloride	Steam for 15 minutes

Refer disclaimer Overleaf

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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