

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B510	EGG MEAT MEDIUM					
Formula						
Ingredients:		gms/lit.				
Meat muscles		454.00				
Calcium carbonate		5.00				
Egg white from (eggs)		6.00				
#Equivalent to Beef muscles						
Final pH (at 25°C): 7.2 ± 0.2						
Directions:						
Suspend 15 gms. in 100 ml. distilled water. Allow to stand with frequent agitation for thorough wetting. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Note: Due to presence of Calcium carbonate, the prepared medium forms opalescent solution with white precipitate.						
Principle:						
Meat muscle provides carbon, nitrogen, inorganic salts, vitamins, and a variety of other nutrients to support bacterial growth. Egg whites are a source of protein. Calcium carbonate helps neutralize acids and displaces oxygen in the media.						
QC Tests – (I) Dehydrated Medium						
Colour :		Light brown to brown				
Appearance:		Granules with powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.2 ± 0.2				
Colour (post autoclaving/heating) :		Light amber				
Clarity (post autoclaving/heating) :		Slightly opalescent solution with white precipitate over brown coloured meat granules.				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 – 48 hrs. at 35-37°C.						
MICROORGANISM (ATCC)		GROWTH				
Clostridium perfringens (12924)		Luxuriant				
Clostridium sporogenes (11437)		Luxuriant				
Precautions :		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
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 determination of proteolytic activity and carrying stock cultures of anaerobic microorganisms.				
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
B510		150.0g/l	3.333L	7.2 ± 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 BIOMARK LABORATORIES publications.

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