

TECHNICAL SHEET

B1162	COOKED MEAT MEDIUM W/ GLUCOSE, HEMIN AND VITAMIN K	
Formula		
Ingredients:	gms/lit.	
Meat heart, granules#	98.00	
Peptic digest of animal tissue	20.00	
Sodium chloride	5.00	
Glucose	5.00	
Yeast extract	5.00	
Hemin	0.005	
Vitamin K	0.001	
#-Equivalent to Beef heart, granules		
Final pH (at 25°C) : 7.2 ± 0.2		
Directions:		
Suspend 13.3 grams in 100 ml distilled water. Mix thoroughly and allow to stand for 15 minutes until all the particles are thoroughly wetted. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.		
Principle:		
Meat heart granules, which provides amino acids and nutrients. It also contains glutathione, a reducing substance which permits the growth of obligate anaerobes. The sulphhydryl groups which impart reducing effect are more available in denatured protein and hence the cooked meat is added in the medium. The added supplements glucose, yeast extract, hemin and vitamin K act as growth enhancers for anaerobic microorganisms. Blackening and disintegration of the meat particles indicate proteolysis.		
QC Tests - (I) Dehydrated Medium		
Colour:	Brown	
Appearance:	Granules with powder	
(II) Rehydrated medium		
pH (post autoclaving/heating):	7.2 ± 0.2	
Colour (post autoclaving/heating):	Medium amber	
Clarity (post autoclaving/heating):	Clear to slightly opalescent supernatant over insoluble granules.	
(III) Q.C. Test Microbiological		
Cultural characteristics observed after 40-48 hrs. at 35-37°C.		
MICROORGANISM (ATCC)	GROWTH	
Clostridium butyricum(13732)	Luxuriant	
Clostridium perfringens (12924)	Luxuriant	
Clostridium sporogenes (11437)	Luxuriant	
Enterococcus faecalis (29212)	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 :	It is used for cultivation of aerobes and anaerobes, especially pathogenic clostridia and also for the maintenance of stock cultures.	

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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
B1162	133 g/l	3.759 L	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 BIOMARKLABORATORIES publications.

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