

TECHNICAL SHEET

BW151	COOKED MEAT MEDIUM (R.C. MEDIUM)					
Formula						
Ingredients :		gms/lit.				
Meat heart, infusion from #		500.00				
Peptic digest of animal tissue		5.00				
Sodium chloride		2.50				
# Equivalent to Beef heart, infusion from						
Final pH (at 25°C) : 7.8 ± 0.2						
Directions :						
Suspend 11.54 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 :						
Cooked Meat Medium contains beef heart, the muscle protein which provides amino acids and other 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 growth in this medium is indicated by the turbidity or bubble formation by some organisms. Blackening and disintegration of the meat particles indicate proteolysis. For best results, medium should be used on the day it is prepared, otherwise it should be boiled or steamed for a few minutes and allowed to cool without agitation and then inoculated.						
QC Tests - (I) Dehydrated Medium						
Colour :		Brown coloured granules with powder				
Appearance :		Granules with powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.8 ± 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 botulinum (25763)		Luxuriant				
Clostridium perfringens (12924)		Luxuriant				
Clostridium sporogenes (11437)		Luxuriant				
Streptococcus pneumoniae (6303)		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 :		For cultivation of aerobes and anaerobes particularly pathogenic Clostridia and also for maintenance of stock cultures. It is also recommended by BIS committee as per specification IS:5887.				
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
BW151		115.4g/l	4.332 L	7.8 ± 0.2	Nil	121°C / 15 minutes

Refer disclaimer Overleaf

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Disclaimer:

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