

BW240	MAC CONKEY AGAR w/o CV, w/Bile Salt(0.15%)				
Formula					
Ingredients :		gms/lit.			
Peptic digest of animal tissue		20.00			
Lactose		10.00			
Bile Salt		5.00			
Sodium chloride		5.00			
Neutral red		0.07			
Agar		15.00			
Final pH (at 25°C) : 7.1 ± 0.2					
Directions :					
Suspend 55.07 gms. in 1000ml. distilled water. Heat to boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. AVOID OVERHEATING. Cool to 40-50 c. and pour into sterile Petri plates. Surface of medium should be dry when inoculated.					
Principle :					
Peptone provides amino acid and other growth factors. Lactose is a carbon energy source for gram – negative lactose – fermenting bacilli. Oxgall inhibits the growth of gram – positive organisms. Neutral red is the indicator.					
QC Tests – (I) Dehydrated Medium					
Colour :		Pinkish beige			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.1 ± 0.2			
Colour (post autoclaving/heating) :		Orange Reddish			
Clarity (post autoclaving/heating) :		Clear			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 – 24 hours at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH		COLONY COLOR	
Enterobacter aerogenes (13048)		Luxuriant		Pink to red	
Escherichia coli (25922)		Luxuriant		Pink to red	
Salmonella choleraesuis (12011)		Fair to good		Colorless	
Staphylococcus aureus (25923)		Inhibited			
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 selection and recovery of Enterobacteriaceae and related Gram negative bacteria.				
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
BW240	55.07g/l	9.079L	7.1 ± 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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