

B690	MODIFIED BRUCELLA AGAR BASE					
Formula						
Ingredients :						
		gms/lit.				
Casein enzymichydrolysate		10.00				
Peptic digest of animal tissue		5.00				
Sodium chloride		5.00				
Glucose		10.00				
Agar		15.00				
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 45gms. in 890ml distilled water when Campylobacter Supplement I (Blaser Wang) is to be used or in 940ml distilled water when Campylobacter Supplement II (Butzler) is to be used. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45-50°C.						
For Campylobacter BAP Medium: Add rehydrated contents of 2 vials of Campylobacter Supplement I (Blaser Wang) and 100ml defibrinated sheep blood to the basal medium.						
For Butzler's Campylobacter Medium : Add rehydrated contents of 2 vials of Campylobacter Supplement II (Butzler) and 50ml of defibrinated sheep blood to the basal medium. Mix well before pouring into sterile petri plates.						
Principle :						
Casein enzymichydrolysate, peptic digest of animal tissue provide essential growth nutrients as nitrogenous compound, sulphur, carbon and trace elements. Glucose is the energy source. Sodium chloride maintains the osmotic equilibrium. The different antibiotics make the medium selective.						
QC Tests - (I)Dehydrated Medium						
	Colour :	Cream to Yellow				
	Appearance :	Homogeneous Free Flowing powder				
(II)Rehydrated medium						
	pH (post autoclaving/heating) :	7.5 ± 0.2				
	Colour (post autoclaving/heating) :	a) Basal Medium : Yellow b) With the addition of blood : Cherry - red				
	Clarity (post autoclaving/heating) :	Slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 48 hrs. at 42°C, in a micro aerobic atmosphere (5%O ₂ , 10%CO ₂ and 85% N ₂).						
	MICROORGANISM (ATCC)	GROWTH*	GROWTH **			
	Campylobacter jejuni (29428)	Luxuriant	Luxuriant			
	Campylobacter coli (33559)	Good - luxuriant	Good - luxuriant			
	Escherichia coli (25922)	Inhibited	Inhibited			
	Salmonella typhi (6539)	Inhibited	Inhibited			
	Key : * = with addition of Campylobacter Supplement I (Blaser Wang) **= with addition of Campylobacter Supplement II (Butzler)					
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 the isolation and cultivation of thermotolerant Campylobacter species.				
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
B690		45g/l	L	7.5 ± 0.2	Campylobacter Supplement I (Blaser Wang) Campylobacter Supplement II (Butzler)	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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