

B029	WESLEY BROTH				
Formula					
Ingredients :		gms/lit.			
Tryptose		20.00			
Yeast extract		2.50			
Sodium chloride		5.00			
Ferrous sulphate		0.25			
Sodium metabisulphite		0.25			
Sodium pyruvate		0.25			
Bicine		10.00			
Agar		1.00			
Final pH (at 25°C) : Self					
Directions :					
Suspend 39.25 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50C and aseptically add rehydrated contents of 1 vial of Campylobacter Selective Supplement (BF041) and 6.25 ml of cooled alkaline hematin solution (Dissolve 32.0 mg of bovine hemin in 10 ml. of 0.15 N NaOH. Sterilize by autoclaving at 5 lbs pressure (108°C) for 30 minutes). Mix well before dispensing.					
Principle :					
The medium contains tryptose and yeast extract which provide nitrogenous nutrients, vitamin B complex and other growth nutrients to the organisms. Sodium metabisulphite and ferrous sulphate helps in survival and easy recovery of the organism. Sodium pyruvate increases the oxygen tolerance of Campylobacter jejuni. Agar in small quantity helps to create microaerophilic atmosphere. Bicine gives good buffering capacity to the medium.					
QC Tests - (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	Self			
	Colour (post autoclaving/heating) :	Amber			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
	Cultural characteristics observed after an incubation at 42°C for 16-24 hours with added Campylobacter Selective Supplement (BF041) and alkaline hematin solution, under microaerobic atmosphere.				
	MICROORGANISM (ATCC)	GROWTH			
	Campylobacter jejuni (29428)	Good – 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 isolation of Campylobacter jejuni from poultry products as per APHA.				
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
B029	39.25 g/l	12.73 L	Self	Campylobacter selective supplement. Alkaline hematin soln.	121°C/15 min.

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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