

TECHNICAL SHEET

B1086	KING'S OF MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Casein enzymichydrolysate		0.20				
Phenol red		0.003				
Agar		0.30				
Final pH (at 25°C) : 7.4 ± 0.2						
Directions :						
Suspend 0.5 gms.in 1000ml. distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes. Cool to 45-50°C and aseptically add filter sterilized solution of desired carbohydrate to get a final concentration of 1% and dispense in sterile tubes.						
Principle :						
This medium is relatively simple medium which contains casein enzymichydrolysate to supply nitrogenous compounds for the growth of Campylobacter species. Phenol red is the pH indicator. Oxidation of carbohydrate is indicated by a yellow colour formation. The medium will be yellow (acid) when removed from the microaerobic atmosphere due to CO ₂ absorption. To read OF reactions, let tubes stand at room temperature until OF control becomes neutral or alkaline, usually within 2 hours.						
QC Tests - (I)Dehydrated Medium						
Colour :		Pink				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.4 ± 0.2				
Colour (post autoclaving/heating) :		Red				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
(III)Q.C. Test Microbiological						
Cultural characteristics observed after 24-48 hrs.at 42°C under reduced oxygen atmosphere.						
MICROORGANISM (ATCC)		GROWTH	ACID (WITH DEXTROSE)			
Campylobacter jejuni (29428)		Good	+			
Key: + = positive reaction, yellow colour.						
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 studying oxidation-fermentation of carbohydrates by 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
B1086		0.5g/l	1000L	7.4 ± 0.2	desired carbohydrate	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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