

TECHNICAL SHEET

B742	MEHLMAN'S MAINTENANCE MEDIUM				
Formula					
Ingredients :		gms/lit.			
Proteose peptone		15.00			
Yeast extract		7.50			
Casein enzymic hydrolysate		5.00			
Dipotassium phosphate		5.00			
Starch, soluble		1.00			
Ammonium sulphate		1.50			
Neutral red		0.02			
Agar		3.00			
Final pH (at 25°C) : 7.3 ± 0.2					
Directions :					
Suspend 38 gms. in 1000ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in 8ml amounts in screw capped tubes. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 45- 50°C and aseptically add 0.2 ml filter sterilized 2.5 % sodium sulphite solution to each tube. Mix gently.					
Principle :					
The medium contains nitrogenous nutrients such as proteose peptone, yeast extract and casein enzymic hydrolysate. The medium also contains starch but lack the energy source such as dextrose. Neutral red is the pH indicator. Dipotassium phosphate helps in maintaining buffering action of the medium.					
QC Tests - (I)Dehydrated Medium					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
(II)Rehydrated medium					
pH (post autoclaving/heating) :		7.3 ± 0.2			
Colour (post autoclaving/heating) :		Orange red			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after upto 1 week at 35-37°C.					
MICROORGANISM (ATCC)		GROWTH			
Campylobacter jejuni (29428)		Good – luxuriant			
Campylobacter coli (33559)		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 maintenance of 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
B742	38g/l	13.15L	7.3 ± 0.2	0.2 ml filter sterilized 2.5 % sodium sulphite solution	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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