BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B1058	HEMMES MEDI	UM								
Formula										
Ingredients :			gms/lit.							
Casein enzymic hydrolysate			10.00							
Yeast extract			3.00							
Dextrose			0.30							
Lactose 10.00										
Sucrose	4.00									
Soaium chioriae			4.00							
Ferrous sulphate			0.04							
Sodium thiosuiphate			U.1U 0.01E							
Agar										
Aydi 5.50										
Directions ·										
Suspend 42.95 grams in 950 ml distilled water. Heat to beiling to dissolve the medium completely										
Dispense 95 ml amounts into flacks and starilize by autoclaving at 15 lbs pressure (121°C) for 15										
minutes Cool to about 50-55°C and asentically add 5 ml of starile 40% Uras Solution (BE048) por										
195 ml basal medium. Mix well and dispense into sterile test tubes. Allow the tubed medium to cool										
and solidify in the slanted position to give a butt of at least 3 cm and slant of 2 cm										
Principle :										
Casein enzymic hydrolysate and yeast extract provide the necessary nutrients to the organisms.										
Three sugars namely dextrose, lactose and sucrose are the fermentable carbohydrate sources and										
phenol red is the pH indicator. For indole test, a loopful of medium from the base is transferred to										
filter paper moistened with a 5% solution p-dimethyl aminobenzaldehyde in 10% HCl.										
OC Tests – (I)Dehvdrated Medium										
Colour :				Light vellow to pink						
Appearance	Ho	Homogeneous Free Flowing powder								
(II)Rehydrated medium										
nH (nost autoclaving/heating) :				7.2 ± 0.2						
Colour (post autoclaving/heating) :			Red							
Clarity (post autoclaving/heating) :				Clear						
(III)O.C. Tes	t Microbiologic	aliai		cui						
Cultural characteristics observed after 18 – 24 hrs at 35-37°C										
MICROORGANISM (ATCC.)			GROWT				H ₂ S	URFAS	F INDOLE	
Escherichia coli (25922)			Luxuriant		+		-	-	+	
Proteus mirabilis (25933)			Luxuriant		±*		+	+	-	
Salmonella typhimurium (14028)			Luxuriant		+		, +	-	_	
Staphylococcus aureus (25923)			Luxuriant		-		-	-	-	
Shigella flexneri (12022)			Luxuriant		_		-	-	-	
Kev: * = motility of Proteus species is temperature dependent										
It is more pronounced at 20°C and may be absent at 35 – 37°C										
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 arow or arow poorly on this medium.										
Use : For biochemical differentiation of Salmonella and Shigellae species based								cies based on		
dextrose, lactose, sucrose, fermentation, motility, hydrogen sulphide, indole and										
	urease production.									
Storage :	ge: Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.									
Packing :	500 gm bottle									
Product	Reconstitution	Quantity	/ on		pH (25°C)	S	upplem	ent	Sterilization	
profile:		Prepara	tion(500)q)	P (7	_				
B1058	42.95 g/l	11.641	L	57	7.2+ 0.2	40%	Urea	Solution	121ºC/15min.	
	5,				_	(BF048	3)		,	

Refer disclaimer Overleaf

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

Page 02 of 02