BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

B1333	HALF FRASER BROTH	BASE					
Formula							
Ingredients:		gms/lit.					
Peptone		5.00					
Tryptone		5.00					
Yeast extract		5.00					
Meat Extract B#		5.00					
Sodium chloride		20.00					
Disodium hydrogen phosphate		9.60					
Potassium Dihvdro	gen phosphate	1.35					
Aesculin	gen phosphace	1.00					
Lithium Chloride		3.00					
Nalidixic acid		0.010					
Acriflavin hydrochl	oride	0.0125					
#- Equivalent to Be	eef extract	0.0125					
Final nH (at 25° C) · 7 2+ 0 2							
Suspend 54.97 grams in 1000 ml distilled water. Heat if necessary to discelue the medium							
completely Steriliz	ze by autoclaving at 15	hs pressure (12	1° C) for 15 minutes. Cool to 45-50°C and				
asentically add reh	vdrated contents of 2 vi	als of Fraser Si	innlement (BE002) Mix well and dispense				
as desired			ipplement (Di 002). Mix wen and dispense				
Brinciple :							
This modium contr	ains pontono truntono y	vact oxtract an	nd Most Extract B which provide occoptial				
nutrionto liko cor	han and nitraganous	east extract an	uding vitaming aming acide and trace				
ingradiants like Call	boli alla illiogenous c	ompounds inci	uding vitalinis, allino acius anu trace				
ingreatents. Phos	phates provide bullering		he mouth of more monthing and more				
osmotic equilibrium	n. Nalidixic acid and acr	ifiavin innibits t	ne growth of gram – negative and gram –				
positive organisms	respectively except List	eria species.					
QC Tests – (1)Del	hydrated Medium						
Colour :		Cream to light yellow					
Appearance :		Homogeneous	Homogeneous Free Flowing powder				
(II)Rehydrated n	nedium						
pH (post autoclaving/heating) :		7.2 ± 0.2					
Colour (post autoclaving/heating) :		Yellow coloured solution					
Clarity (post autoclaving/heating) :		Clear					
(III) Q.C. Test Mi	crobiological						
Cultural charact	teristics observed on add	lition of BF002 a	after an incubation at 35 - 37°C for 24-48				
hours.							
MICROORGANISM (ATCC)		GROWTH	ESCULIN HYDROLYSIS*				
Listeria monocy	rtogenes (19111)	good-luxuriant	positive reaction, blackening of medium				
Listeria monocytogenes (19112)		good-luxuriant	positive reaction, blackening of medium				
Listeria monocytogenes (19117)		good-luxuriant	positive reaction, blackening of medium				
Listeria monocytogenes (19118)		good-luxuriant	positive reaction, blackening of medium				
Staphylococcus aurous (25023)		none-noor					
Escharichia coli (25022)		Inhibitod	<u> </u>				
Escilencina con (20922)							
	turad on Listeria coloctiu		-				
Interview Subcultured on Listeria selective agar							
recautions: 1. For Laboratory Use.							
	2. Follow proper, established laboratory procedures in handling and disposing						
	nrectious materials.						
Limitations :	. Since the nutritional requirements of organisms vary, some strains may be						
	encountered that fail to grow or grow poorly on this medium.						
Use:	For selective enrichm	hment of Listeria species as perISO11290-1:1997 &					
	ISO11133-2:2003						
Storage:	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C						
Packing :	500 gm. bottle						
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Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B1333	54.8 g/l	9.095 lit	7.2 ± 0.2	Fraser supplement (BF002)	121ºC/15 min

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