BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

B974	CASMAN BROTH BASE							
Formula								
		ams	jms/lit.					
Proteose peptone			.00					
Tryptose			0.00					
Beef extract		3.0						
Dextrose		0.5						
Corn starch			.00					
Sodium chloride		5.0						
Nicotinamide		0.0						
				.05				
Final pH (at 25°C) : 7.2 + 0.2								
Directions : Suspend 29.6 gms. of in 1000 ml. distilled water. Heat to boiling to dissolve the medium completely.								
Suspend 29.6 gm Sterilize by autocl 0.15% v/v sterile as desired.	aving at 15lbs p	oressure (121°C) for	15 minutes	s. Co	ool to 50°C and a	septically add	
Principle :								
NUTRIENTS. Dextrose improves growth of pathogenic cocci. Corn starch prevents fatty acids from inhibiting the growth of Neisseria gonorrhoeae, without interfering with haemolytic reaction but neutralizes the inhibitory action of dextrose. Addition of blood provides the growth factors required for Haemophilus influenzae as hemin or X factor and Nicotinamide Adenine Dinucleotide (NAD) or V factor. Horse and rabbit blood are preferred as they are relatively free of NADase, an enzyme that destroys V factor. Nicotinamide is added to medium to inhibit nucleotidase of erythrocytes that destroys V factor. Inoculate the medium as soon as the specimen arrives at the laboratory. After incubation Haemophilus influenzae produces colourless to gray colonies with a characteristic `mousy' odour								
while Neisseria gonorrhoeae produces small colourless to gray coornes with a characteristic mousy odour								
				s to gravisi	1 001	file colonics.		
QC Tests – (I)Dehydrated Medium Colour :			Light yellow					
Appearance : (II)Rehydrated medium			Homogeneous Free Flowing powder					
	ost autoclaving/heating) :			7.2 ± 0.2				
Colour (post autoclaving/heating) :			a) Basal medium – Yellow b) With addition of blood : Cherry-red					
Clarity (post a (III)Q.C. Test M		lear to slightly opalescent b) Opalescent						
Cultural characteristics observed after 40-48 hrs.at 35-37°C.								
MICROORGANISM (ATCC)			GROWTH					
Haemophilus influenzae (35056)			Good – luxuriant					
Neisseria meningitidis (13090)			Luxuriant					
Streptococcus pneumoniae (6303)			Luxurian	t				
Streptococcus pyogenes (19615)			Luxurian	t				
Streptococcus mitis (9895)			Luxurian	t				
	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 strain							strains may be	
encountered that fail to grow or grow poorly on this medium.								
	For isolation of fastidious microorganisms from clinical specimens under reduced							
	oxygen tension.	ygen tension.						
	Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.							
Packing : 500 gm bottle								
Product profile:			on on (500g)	pH (25°C	C)	Supplement	Sterilization	
B974	29.6g/l		.89L	7.2 ± 0.1	v (0.15% v/v sterile water lysed blood (water:blood:3:1) of 5% sterile blood.	minutes	