## BIOMARK Laboratories-INDIA www.biomarklabs.com TECHNICAL SHEET

Formula           Ingredients :         gms/lit.           Peptic digest of animal tissue         0.80           Sodium chloride         1.40           Sodium chloride         0.02           Potassium chloride         0.04           Calcium chloride         0.04           Monopotassium hydrogen phosphate         0.24           Disodium hydrogen phosphate         0.88           Final pH (at 25°C) :         7.2 ± 0.2           Directions :         (1) Preparation of base: Suspend 3.42 gms.in 1000ml. distilled water. Heat to dissolve medium completely. Distribute in 100ml amounts in flasks. Sterilize by autoclaving at 10 pressure (115°C) for 15 minutes. Cool to 55°C.           (2) Preparation of haemoglobin solution: To the rabbit blood clot, after removing the ser add equal volume of distilled water. Freeza and thaw repeatedly to haemolyse the corpus: Sterilize by Seitz or millipore filtration.           (3) Complete medium: To 100 ml sterile base, add sterile 8 ml inactivated blood serum and ml sterile haemoglobin solution. Mix thoroughly. Distribute if desired in 2 - 3ml amounts in str screw capped Bijou bottles / tubes. Test for sterility by incubation at 37°C.           Principle :         Preptic digest of animal tissue and other salts supply essential nutrients for the growth of organisms. Phosphates form buffering system while sodium chloride maintains osm equilibrium.           QC Tests - (1)Dehydrated Medium         [Colour :           [Colour :         Yellow	B586 LEI							
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Colour :       Yellow         Appearance :       Homogeneous Free Flowing powder         (II)Rehydrated medium       pH (post autoclaving/heating) :       7.2 ± 0.2         Colour (post autoclaving/heating) :       Yellowish brown         Clarity (post autoclaving/heating) :       Clear to slightly opalescent         (III)Q.C. Test Microbiological		wdrated Medium						
Appearance :       Homogeneous Free Flowing powder         (II)Rehydrated medium       pH (post autoclaving/heating) :       7.2 ± 0.2         Colour (post autoclaving/heating) :       Yellowish brown         Clarity (post autoclaving/heating) :       Clear to slightly opalescent         (III)Q.C. Test Microbiological       Clear to slightly opalescent         Cultural characteristics observed after upto 2-7 days at 30°C.       MICROORGANISM (ATCC)         MICROORGANISM (ATCC)       GROWTH         Leptospira interrogans serogroup canicola       Luxuriant         Leptospira interrogans serogroup grippotyphosa       Luxuriant         Leptospira interrogans serogroup australis       Luxuriant         Precautions :       1. For Laboratory Use.         2. Follow proper, established laboratory procedures in handling and disposin infectious materials.         Limitations :       1. Since the nutritional requirements of organisms vary, some strains may encountered that fail to grow or grow poorly on this medium.         Use :       For cultivation and maintenance of Leptospira species.         Storage :       Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.         Packing :       500 gm bottle		iyulateu meululli		Vollow				
(II)Rehydrated medium       PH (post autoclaving/heating) :       7.2 ± 0.2         Colour (post autoclaving/heating) :       Yellowish brown         Clarity (post autoclaving/heating) :       Clear to slightly opalescent         (III)Q.C. Test Microbiological       Clear to slightly opalescent         Cultural characteristics observed after upto 2-7 days at 30°C.       MICROORGANISM (ATCC)         Leptospira interrogans serogroup canicola       Luxuriant         Leptospira interrogans serogroup grippotyphosa       Luxuriant         Leptospira interrogans serogroup australis       Luxuriant         Precautions :       1. For Laboratory Use.         2. Follow proper, established laboratory procedures in handling and disposin infectious materials.         Limitations :       1. Since the nutritional requirements of organisms vary, some strains may encountered that fail to grow or grow poorly on this medium.         Use :       For cultivation and maintenance of Leptospira species.         Storage :       Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.         Packing :       500 gm bottle					uc Froe Flow	ing nowdor		
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Packing : 500 gm bottle	Storage :	Dehydrated med	ium- belo	w 30°C Pre	pared mediur	n- Between 2 to	o 8°C.	
Preparation (500g)					pH (25°C)	Supplement	Sterilization	
	B586	3.42 g/l			7.2 <u>+</u> 0.2		115°C / 15 min.	

Refer disclaimer Overleaf

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