

TECHNICAL SHEET

B586	LEPTOSPIRA MEDIUM BASE, KORTHOF MODIFIED					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		0.80				
Sodium chloride		1.40				
Sodium bicarbonate		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 the medium completely. Distribute in 100ml amounts in flasks. Sterilize by autoclaving at 10 lbs pressure (115°C) for 15 minutes. Cool to 55°C.						
(2) Preparation of haemoglobin solution: To the rabbit blood clot, after removing the serum, add equal volume of distilled water. Freeze and thaw repeatedly to haemolyse the corpuscles. Sterilize by Seitz or millipore filtration.						
(3) Complete medium: To 100 ml sterile base, add sterile 8 ml inactivated blood serum and 0.8 ml sterile haemoglobin solution. Mix thoroughly. Distribute if desired in 2 – 3ml amounts in sterile screw capped Bijou bottles / tubes. Test for sterility by incubation at 37°C.						
Principle :						
Peptic digest of animal tissue and other salts supply essential nutrients for the growth of the organisms. Phosphates form buffering system while sodium chloride maintains osmotic equilibrium.						
QC Tests – (I)Dehydrated Medium						
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						
Cultural characteristics observed after upto 2-7 days at 30°C.						
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 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 cultivation and maintenance of Leptospira 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
B586		3.42 g/l	146.20 lit	7.2 ± 0.2	Leptospira Enrichment.	115°C / 15 min.

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.

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