

TECHNICAL SHEET

B583	LEPTOSPIRA MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Disodium hydrogen orthophosphate		1.00				
Monopotassium phosphate		0.30				
Sodium chloride		1.00				
Ammonium chloride		0.25				
Thiamine		0.005				
Final pH (at 25°C) : 7.5 ± 0.2						
Directions :						
Suspend 2.56 gms. in 900 ml. distilled water. Swirl to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to room temperature and aseptically add 100 ml sterile Leptospira Enrichment. Mix well and dispense aseptically in sterile tubes or bottles as desired.						
Principle :						
Leptospira Medium Base contains ammonium chloride, a nitrogen source, and thiamine, a growth factor. Sodium phosphate dibasic and potassium phosphate monobasic are buffering agents. Sodium chloride maintains the osmotic balance of this formula.						
Leptospira Enrichment contains albumin, polysorbate 80 and additional growth factors for Leptospira.						
QC Tests – (I)Dehydrated Medium						
Colour :		Off white to white				
Appearance :		Homogeneous Free Flowing powder				
(II)Rehydrated medium						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		A) Basal medium : Colourless B) (After addition of Leptospira enrichment) : Light yellow				
Clarity (post autoclaving/heating) :		A) Clear B) Clear				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after upto 7 days at 29 - 30°C.						
MICROORGANISM (ATCC)		GROWTH				
Leptospira interrogans serogroup canicola		Luxuriant				
Leptospira interrogans serogroup grippotyphosa		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
B583	2.56g/l	195.31 lit	7.5 ± 0.2	Leptospira	121°C/15 min	

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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