

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B1039</b>	<b>FLETCHER LEPTOSPIRA MEDIUM BASE</b>					
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		0.30				
Meat extract B #		0.20				
Sodium chloride		0.50				
Agar		1.50				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.9 ± 0.2						
<b>Directions :</b>						
Suspend 2.5 gms.in 920 ml. distilled water (volume of water should be appropriate to compensate addition of enrichment).Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes. Cool to 50-55°C and aseptically add 80 ml sterile Leptospira Enrichment (Rabbit/Horse serum) to make final volume to 1 litre.						
<b>Principle :</b>						
Fletcher Leptospira medium Base is prepared according to the formulation of Fletcher and used for isolation of Leptospira from blood, urine and kidney specimens. Leptospira enrichment provides long chain fatty acids as the carbon, energy source and vitamin for the growth of Leptospira. Leptospire metabolize the fatty acids by beta oxidation and the metabolic end products formed are acetate and carbon dioxide.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.9 ± 0.2				
Colour (post autoclaving/heating) :		Very light yellow				
Clarity (post autoclaving/heating) :		Slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed upto 5 days at 30°C.						
MICROORGANISM (ATCC )		GROWTH				
Leptospirainterrogans serotype australis		luxuriant				
Leptospirainterrogans serotype canicola		luxuriant				
Leptospirainterrogans serotype grippotyphosa		luxuriant				
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For isolation, cultivation and maintenance of Leptospira species.				
<b>Storage :</b>		Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B1039</b>		2.5g/l	200L	7.9 ± 0.2	sterile Leptospira Enrichment (Rabbit/Horse serum)	121 <sup>0</sup> C / 15 minutes

**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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