

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B898	LEVINTHAL's MEDIUM BASE					
Formula						
Ingredients :		gms/lit.				
Peptic digest of animal tissue		10.00				
Meat extract B#		10.00				
Sodium chloride		5.00				
Agar		20.00				
#- Equivalent to Beef extract						
Final pH (at 25°C) : 7.6 ± 0.2						
Directions :						
Suspend 45 gms. in 1000ml. distilled water. Heat to boiling to dissolve the medium completely. Dispense in 100 ml amounts and sterilize by autoclaving at 15 lbspressure (121°C) for 15 minutes. Cool to 50°C and add 5 ml sterile rabbit for human blood to 100 ml medium. Heat the mixture in boiling water bath. Allow the deposits to sterile and dispense clear supernatant.						
Principle :						
Whole blood of rabbit or human contains the two important factors viz x factor and V factor, which are necessary for the growth of type species of Haemophilus influenzae. X factor is a heat stable substance, he hemin associated with haemoglobin, whereas V factor is a heat labile coenzyme Nicotinamide Adenine Dinucleotide (NAD). Other nutrients such as nitrogen compounds are supplied by peptic digest of animal tissue and beef extract incorporated in the medium. Sodium chloride helps to maintain osmotic balance of the medium.						
QC Tests - (I) Dehydrated Medium						
Colour :		Light yellow				
Appearance :		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating) :		7.6 ± 0.2				
Colour (post autoclaving/heating) :		a) Basal medium : light yellow b) Heating after addition of blood forms : chocolate brown				
Clarity (post autoclaving/heating) :		a) Clear b) Slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 18 -24 hrs. at 35 -37°C.						
MICROORGANISM (ATCC)		GROWTH				
Haemophilus influenzae (35056)		Luxuriant				
Staphylococcus aureus (25923)		Luxuriant				
Streptococcus pyogenes (19615)		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 of Haemophilus 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
B898	45 g/l	11.11 lit	7.6 ± 0.2	sterile rabbit for human blood to 100 ml medium	121°C /15 min	

Refer disclaimer Overleaf

BIOMARK Laboratories-INDIA
www.biomarklabs.com
TECHNICAL SHEET

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.

The information contained in this publication is based on our in-house studies and market performance and is to the best of our knowledge true and accurate. BIOMARK LABORATORIES reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.

Page 02 of 02