

TECHNICAL SHEET

B154	CYSTINE HEART AGAR				
Formula					
Ingredients :		gms/lit.			
Heart infusion from		500.00			
Proteose peptone		10.00			
Dextrose		10.00			
Sodium chloride		5.00			
L-cystine		1.00			
Agar		15.00			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 51 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. When to be enriched with hemoglobin, suspend 10.2 gms. in 100 ml distilled water. Sterilize as above. Cool to 50°C and aseptically add 100 ml of 2% sterile hemoglobin solution. Mix well and pour into sterile petri plates.					
Principle :					
Addition of an autoclaved solution of hemoglobin to Cystine Heart Agar is proved to be entirely satisfactory for cultivating <i>F.tularensis</i> . This medium is a nutritionally rich medium which may also be used for cultivating many other organisms generally difficult to grow.					
QC Tests – (I)Dehydrated Medium					
	Colour :	Cream to yellow			
	Appearance :	Homogeneous Free Flowing powder			
(II)Rehydrated medium					
	pH (post autoclaving/heating) :	6.8 ± 0.2			
	Colour (post autoclaving/heating) :	a) Basal medium : Amber b) (After addition of 2% haemoglobin) : Chocolate brown			
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent			
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 40 –48 hrs. at 35-37°C with 2% Haemoglobin.					
	MICROORGANISM (ATCC)	GROWTH			
	<i>Francisella tularensis</i> (29684)	Luxuriant			
	<i>Neisseria meningitidis</i> (13090)	Luxuriant			
	<i>Streptococcus pneumoniae</i> (6303)	Luxuriant			
	<i>Streptococcus pyogenes</i> (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 gram negative cocci and other pathogenic organisms which also can be used for cultivation of <i>Francisella tularensis</i> after addition of haemoglobin.					
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
B154	51g/l	9.80L	6.8 ± 0.2	2% sterile haemoglobin solution	121°C / 15 minutes

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.

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.