

TECHNICAL SHEET

B1192	DUBOS OLEIC BROTH BASE					
Formula						
Ingredients :		gms/lit.				
Caseinenzymichydrolysate		0.50				
L-Asparagine		1.00				
Monopotassium phosphate		1.00				
Disodium phosphate		2.50				
Ferric ammonium citrate		0.05				
Magnesium sulphate		0.01				
Calcium chloride		0.0005				
Zinc sulphate		0.0001				
Copper sulphate		0.0001				
Final pH (at 25°C) : 6.6 ± 0.2						
Directions :						
Suspend 1 gram in 180 ml distilled water. Heat, if necessary, to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add 20ml of sterile Oleic Albumin Supplement (BF051) and 5000 to 10000 units of Penicillin. Mix well and dispense in sterile tubes.						
Principle :						
Casein enzymic hydrolysate and L-asparagine as sources of nitrogen. The phosphates (together with calcium chloride) buffers the media as well as serve as sources of phosphates. Magnesium sulphate, zinc sulphate, copper sulphate and ferric ammonium citrate provide trace metals and sulphates.						
QC Tests – (I) Dehydrated Medium						
	Colour :	Off-white to beige				
	Appearance :	Homogeneous Free Flowing powder				
(II) Rehydrated medium						
	pH (post autoclaving/heating) :	6.6 ± 0.2				
	Colour (post autoclaving/heating) :	Light amber				
	Clarity (post autoclaving/heating) :	clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed with added Oleic Albumin Supplement (BF051) and 5000-10,000 units of Penicillin, after an incubation at 35-37°C for 2-6 weeks.						
	MICROORGANISM (ATCC)	GROWTH				
	Mycobacterium tuberculosis H37 RV (25618)	Luxuriant				
	Mycobacterium kansasii (12478)	Luxuriant				
	Mycobacterium gordonae (14470)	Luxuriant				
	Mycobacterium avium (25291)	Luxuriant				
	Mycobacterium smegmatis (14468)	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 :						
It is used for cultivation of Mycobacteria and for determining its sensitivity to chemotherapeutic agent.						
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
B1192		5.06g/l	98.814L	6.6 ± 0.2	sterile Oleic Albumin Supplement (BF051) and 5,000 to 10,000 units of Penicillin	121°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.

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.