

BS020	B₁₂ CULTURE AGAR (L. LEICHMANNII MAINTENANCE MEDIUM)				
Formula					
Ingredients : gms/lit.					
Peptic digest of animal tissue	7.50				
Yeast extract	7.50				
Dextrose	10.00				
Monopotassium phosphate	2.00				
Tomato juice (from 100 ml)	5.00				
Polysorbate 80	0.10				
Agar	10.00				
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 42.1 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in 10 ml amounts in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool the tubed medium in an upright position with rapidity to avoid colour formation due to overheating.					
Principle :					
Peptic digest of animal tissue serves as a source of nitrogen and amino acids. Yeast extract is the vitamin source. Tomato juice is added to create the proper acidic environment. Dextrose is the carbon source and Polysorbate 80 acts as an emulsifier. Monopotassium phosphate provides buffering capacity.					
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) :	Medium amber				
Clarity (post autoclaving/heating) :	Slightly opalescent				
(III) Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 35-37°C.					
MICROORGANISM (ATCC)	GROWTH				
Lactobacillus leichmannii (7830)	good-luxuriant				
Precautions :					
1. For Laboratory Use.					
2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.					
3. Great care must be taken to avoid contamination of media or glassware in microbiological assay procedures. Extremely small amounts of foreign material may be sufficient to give erroneous results. Scrupulously clean glassware free from detergents and other chemicals must be used.					
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 recommended for the propagation, cultivation and maintenance of Lactobacillus leichmannii ATCC 7830 used as the test organism in the Vitamin B12 Assay.					
Storage :					
Dehydrated medium and prepared medium – Between 2 to 8°C.					
Packing :					
500 gm. bottle					
Product profile:					
	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
BS020	42.1g/l	11.876L	6.8 ± 0.2	NIL	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.