

TECHNICAL SHEET

BS029	B 12 INOCULUM BROTH (L.LEICHMANNII)				
Formula					
Ingredients :		gms/lit.			
Proteose peptone		7.50			
Yeast extract		7.50			
Dextrose		10.00			
Monopotassium phosphate		2.00			
Tomato juice (100 ml)		5.00			
Polysorbate 80		0.10			
Final pH (at 25°C) : 6.8 ± 0.2					
Directions :					
Suspend 32.1 gms.in 1000ml. distilled water. Boil to dissolve the medium completely. Distribute in tubes and sterilize by autoclaving at 15 lbs pressure (121° C) for 15 minutes.					
Principle :					
Peptic digest of animal tissue provides the nitrogen and amino acids in B ₁₂ culture broth. Yeast extract is the vitamin source in the formula. Tomato juice is added to create the proper acidic environment. Dextrose is the carbon source, and Sorbitan monooleate complex acts an emulsifier. Potassium phosphate dibasic acts as the buffering agent in B ₁₂ Inoculum broth ,					
QC Tests - (I)(I)Dehydrated Medium					
Colour :					Cream to light yellow
Appearance :					Homogeneous Free Flowing powder
(II) Rehydrated medium					
pH (post autoclaving/heating) :					6.8 ± 0.2
Colour (post autoclaving/heating) :					Light yellow to amber
Clarity (post autoclaving/heating) :					Clear
(III)Q.C. Test Microbiological					
Cultural characteristics observed after 18 - 24 hrs at 35-37°C.					
MICROORGANISM (ATCC)					GROWTH
Lactobacillus leichmanni (7830)					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 :					
For microbiological assay of vitamin B12 using Lactobacillus leichmannii ATCC 7830.					
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
BS029	32.1g/l	15.576L	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.

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