

BIOMARK Laboratories-INDIA

www.biomarklabs.com

TECHNICAL SHEET

B301	POTATO INFUSION AGAR					
Formula						
Ingredients :		gms/lit.				
Potato infusion from		200.00				
Peptic digest of animal tissue		10.00				
Meat extract B#		5.00				
Dextrose		10.00				
Sodium chloride		5.00				
Agar		15.00				
# Equivalent to Beef Extract						
Final pH (at 25°C) :		6.8 ± 0.2				
Directions :						
Suspend 49 grams in 1000 ml distilled water containing 20 ml glycerol. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour into sterile Petri plates.						
Principle :						
Infusion from potatoes, meat extract B and Peptic digest of animal tissue provide the nitrogen, vitamins and amino acids in Potato Infusion Agar. Dextrose is used as a carbon source in this formula. Sodium chloride maintains the osmotic balance of the medium. Agar is the solidifying agent.						
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) :	Yellow				
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed after 24 – 72 hrs. at 35-37°C.						
	MICROORGANISM (ATCC)	GROWTH				
	Bordetella bronchiseptica (4617)	Luxuriant				
	Brucella melitensis (4309)	Luxuriant				
	Brucella suis (6597)	Luxuriant				
	Streptococcus pneumoniae (6303)	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 isolation of Brucella 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
B301		49.0 g/l	10.204L	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.