TECHNICAL SHEET

B346	UNIVERSAL BEER AGAR (UB AGAR)

Formula

Ingredients:	gms/lit.
Peptonized milk	15.00
Yeast extract	6.10
Dextrose	16.10
Tomato juice	12.20
Dipotassium phosphate	0.31
Monopotassium phosphate	0.31
Magnesium sulphate	0.12
Sodium chloride	0.006
Ferrous sulphate	0.006
Manganese sulphate	0.006
Agar	12.00

Final pH (at 25°C): 6.3 ± 0.2

Directions:

Suspend 62.158 grams in 750 ml of distilled water. Heat to boiling to dissolve the medium completely. Add 250 ml beer, without degassing, to the hot medium and mix gently. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 10 minutes. If required, add 1 mcg/ml of Cycloheximide to sterile medium prior to dispensing.

Principle:

Peptonized milk, yeast extract, dextrose and slats provide all essential growth nutrients. Tomato juice gives acidic environment. The organisms which survive or grow in wort and beer during the beer manufacturing can be recovered due to this particular composition of the medium.

QC Tests – (I)Dehydrated Medium		
	Colour:	Cream to yellow
	Appearance:	Homogeneous Free Flowing powder
(II)Rehydrated medium		
	pH (post autoclaving/heating):	6.3 ± 0.2
	Colour (post autoclaving/heating):	Medium amber
	Clarity (post autoclaving/heating):	Clear to slightly opalescent
(III)Q.C. Test Microbiological		
	Cultural characteristics observed after an incubation at 35-37°C for 40-48 hours with added cycloheximide	

	MICROORGANISM (ATCC)	GROWTH	
	Acinetobacter calcoaceticus (19606)	Good -luxuriant	
	Lactobacillus fermentum (9338)	Good -luxuriant	
	Lactobacillus acidophilus (4356)	Good -luxuriant	
	Proteus vulgaris (13315)	Fair to good	
	Lactobacillus johnsonii (11506)	Good -luxuriant	
	Pediococcus acidilacti (8081)	Good -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 culturing microorganisms of significance in the brewing industry.
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
B346	62.158 g/l	8.04L	6.3 ± 0.2	Beer	121^0C / 10minutes

Refer disclaimer Overleaf

Rev: December 2020

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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