TECHNICAL SHEET

B390	**ACETOBACTER AGAR (GLUCOSE)**
Formula	
Ingredients:	**gms/lit.**
Yeast extract	10.00
Calcium carbonate	10.00
Dextrose (Glucose)	3.00
Agar	15.00
Final pH (at 25°C): 7.4 ± 0.2	

Directions:

Suspend 38 grams in 1000 ml purified / distilled water. Heat just to boiling. Dispense in test tubes, taking care to distribute calcium carbonate evenly. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Shake the tubes, cool quickly and place them in a slanted position so as to keep the calcium carbonate in suspension.
Note: Due to presence of calcium carbonate, the prepared medium forms opalescent solution with white precipitate.

Principle:

Acetic acid bacteria are found in fruits with high carbohydrate concentration, which is selective for yeasts that produce ethanol. This ethanol forms the substrate for acetic acid bacteria and may oxidize ethanol to acetic acid.Acetobacter Agars are formulated as per Manual of Microbiological methods and used for the maintenance of Acetobacter species utilizing glucose,Yeast extract,provide essential growth requirements.Glucose acts as energy source.

Type of specimen : Pure isolate from food samples.

Specimen Collection and Handling:
For food samples, follow appropriate techniques for sample collection and processing as per standard and current guidelines of food microbiology.
After use, contaminated materials must be sterilized by autoclaving before discarding.

QC Tests – (I)Dehydrated Medium			
	Colour:	Cream to light yellow	
	Appearance:	Homogeneous Free Flowing powder	
(II)Rehydrated medium			
	pH (post autoclaving/heating):	7.4 ± 0.2	
	Colour (post autoclaving/heating):	Light amber	
	Clarity (post autoclaving/heating):	Opalescent gel with heavy white precipitate	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed after 24-48 hrs. at 35-37°C.		
	MICROORGANISM (ATCC)	GROWTH	
	Acetobacter aceti (15973)	Luxuriant	
	Acetobacter liquefaciens (14835)	Luxuriant	

Warning &Precautions :	1. For In vitro diagnostic Use.By professionals only.
	2. Read the label carefully before opening the container.Wear PPE wares.Follow established good microbiology laboratory practices while handling specimens and cultures and take standard precautions for handling specimens.
	3. For safety guidelines refer individual safety data sheet.
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:	Recommended for maintenance of glucose positive Acetobacter species.
Storage:	Dehydrated medium-below 30°C Prepared medium- Between 20 to 30°C.
Disposal:	Ensure safe disposal by autoclaving/or incineration of used or usable preparation of this product. Follow established laboratory procedures while disposing all infectious material and those coming in contact must be decontaminated and disposed off with existing laboratory technics.
Packing:	500 gm. bottle

Product profile:	Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
B390	38.00 g/l	13.15 L	7.4 ±0.2	None	121^0C/15 min.

Refer disclaimer Overleaf

Rev: Aug. 2022

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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