

TECHNICAL SHEET

B131	BUSHNELL HASS AGAR				
Formula					
Ingredients :		gms/lit.			
Magnesium sulphate		0.20			
Calcium chloride		0.02			
Monopotassium phosphate		1.00			
Dipotassium phosphate		1.00			
Ammonium nitrate		1.00			
Ferric chloride		0.05			
Agar		20.00			
Final pH (at 25°C) : 7.0 ± 0.2					
Directions :					
Suspend 23.27 grams in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. A white precipitate prior to sterilization becoming yellow to orange after sterilization is normal. Agar is the solidifying agent.					
Principle :					
Magnesium Sulfate, Calcium Chloride, and Ferric Chloride provide trace elements necessary for bacterial growth. Ammonium Nitrate is a nitrogen source, while Monopotassium Phosphate and Dipotassium Phosphate provide buffering capability					
QC Tests - (I) Dehydrated Medium					
Colour :		White to cream			
Appearance :		Homogeneous Free Flowing powder			
(II) Rehydrated medium					
pH (post autoclaving/heating) :		7.0 ± 0.2			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
(III) Q.C. Test Microbiological					
Cultural characteristics observed after upto one week at 25-30°C.					
MICROORGANISM (ATCC)		GROWTH(PLAIN)		GROWTH W/MINERALS	
Pseudomonas aeruginosa (9027)		Poor		Good-luxuriant	
Pseudomonas aeruginosa (27853)		Poor		Good-luxuriant	
Precautions :		1. For Laboratory Use.			
		2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.			
		3. IRRITANT. Irritating to eyes, respiratory system and skin. Avoid contact with skin and eyes. Do not breathe dust. Wear suitable protective clothing. Keep container tightly closed. Target organ(s) :Blood, Liver, Nerves.			
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 studying hydrocarbon deterioration and for examination of fuels for microbial contamination.			
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			
B131	23.27g/l	21.486L	7.0 ± 0.2	NIL	121°C / 15 minutes

Refer disclaimer Overleaf

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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