

TECHNICAL SHEET

B356	WAGASTSUMA AGAR BASE					
Formula						
Ingredients:		gms/lit.				
Peptic digest of animal tissue		10.00				
Yeast extract		3.00				
Sodium chloride		70.00				
Dipotassium phosphate		5.00				
Mannitol		10.00				
Crystal violet		0.001				
Agar		15.00				
Final pH (at 25°C): 8.0 ± 0.2						
Directions:						
Suspend 11.3 gms in 100 ml distilled water. Heat to boiling to dissolve the medium completely. Steam for 30 minutes. Cool to 50°C. Add 2 ml. (approx. 0.5%) of a suspension of freshly drawn citrated human red blood cells (previously washed 3 times in saline) to 100 ml agar. Mix well before pouring into sterile petri plates.						
Principle:						
Peptic digest of animal tissue and yeast extract provide nitrogenous compounds, Mannitol gives energy & carbon source. High salt concentration and alkaline pH makes the medium selective.						
QC Tests – (I) Dehydrated Medium						
Colour:		Cream to beige				
Appearance:		Homogeneous Free Flowing powder				
(II) Rehydrated medium						
pH (post autoclaving/heating):		8.0 ± 0.2				
Colour (post autoclaving/heating):		Very light bluish				
Clarity (post autoclaving/heating):		Clear to slightly opalescent				
(III) Q.C. Test Microbiological						
Cultural characteristics observed with added freshly drawn citrated human red blood cell suspension, after an incubation at 35-37°C for 18-24 hours.						
MICROORGANISM (ATCC)		GROWTH	HAEMOLYSIN PRODUCTION			
Vibrio parahaemolyticus (11344) (avirulent)		Luxuriant	Negative, No clear zone.			
Vibrio parahaemolyticus (virulent)		Luxuriant	Positive, transparent clear zone of blood cells around the colony			
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 performance of Kanagawa test to identify virulent Vibrio parahaemolyticus strains.				
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
B356		113.0 g/l	4.43 L	8.0 ± 0.2	Freshly drawn human citrated blood	Steam for 30 min.

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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