B234	M-AEROMONAS SELECTIVE AGAR BASE (HAVELAAR)
Formula	
Ingredients :	**gms/lit.**
Tryptose	5.00
Yeast extract	2.00
Dextrin	11.40
Sodium chloride	3.00
Potassium chloride	2.00
Magnesium sulphate	0.10
Ferric chloride	0.06
Sodium deoxycholate	0.10
Bromothymol blue	0.08
Agar	13.00
Final pH (at 25°C) :	8.0 ± 0.2

Directions :

Suspend 36.74 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45- 50°C and aseptically add rehydrated contents of 1 vial of Ampicillin Supplement (BF095). Mix well and pour into sterile Petri plates.

Principle :

Tryptose and yeast extract provide nitrogenous compounds along with other essential nutrients for growth of Aeromonas. Sodium chloride maintains the osmotic balance of the medium. Aeromonas forms acid from dextrin, which is indicated by change in colour from blue to yellow. Selectivity of the medium is increased by the addition of ampicillin. Membrane filters through which water samples have been passed are aseptically placed on M-Aeromonas Selective Agar Base plates. After an incubation at 35-37°C for 24 hours Aeromonas species appear as large, yellow colonies with a purple periphery.

QC Tests – (I)Dehydrated Medium			
	Colour :	Light yellow to greenish yellow	
	Appearance :	Homogeneous Free Flowing powder	
(II)Rehydrated medium			
	pH (post autoclaving/heating) :	8.0 ± 0.2	
	Colour (post autoclaving/heating) :	Dark green	
	Clarity (post autoclaving/heating) :	Clear to slightly opalescent gel	
(III)Q.C. Test Microbiological			
	Cultural characteristics observed after an incubation at 35-37°C for 24 hours with added Ampicillin Supplement (BF095).		
	MICROORGANISM (ATCC)	GROWTH	
	Aeromonas hydrophila (7966)	good-luxuriant	
	Escherichia coli (25922)	inhibited	
	Staphylococcus aureus(25923)	inhibited	

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 :	It is used for the detection of Aeromonas species in water and other liquid samples by membrane filter technique.
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
B234	36.74 g/l	13.609 L	8.0 ± 0.2	Ampicillin Supplement (BF095)	121^0C / 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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