

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

<b>B919</b>		<b>AEROMONAS STARCH DNA AGAR BASE</b>				
<b>Formula</b>						
<b>Ingredients :</b>		<b>gms/lit.</b>				
Peptic digest of animal tissue		15.00				
Papaic digest of soyabean meal		5.00				
Sodium chloride		5.00				
Corn starch		10.00				
Deoxyribonucleic acid (DNA)		2.00				
Agar		15.00				
Final pH (at 25°C) : 7.5 ± 0.2						
<b>Directions :</b>						
Suspend 52 grams in 1000ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically add rehydrated contents of 1 vial of Ampicillin supplement (BF095). Mix well and pour into sterile petri plates.						
<b>Principle :</b>						
Peptone and Papaic digest of soyabean meal provide essential growth nutrients. Sodium chloride maintains osmotic equilibrium. Ampicillin suppresses the contaminating microflora. Starch hydrolysis is determined by flooding 5ml / plate of Lugol's Iodine solution.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to light yellow				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		7.5 ± 0.2				
Colour (post autoclaving/heating) :		Cream to light yellow				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed after 24 hrs. at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH		STARCH HYDROLYSIS		
Aeromonas hydrophila (7966)		Luxuriant		+		
Escherichia coli (25922)		Poor – fair		-		
Staphylococcus aureus (25923)		Partially to completely inhibited		-		
Key : + = positive, clearing around the colony.						
<b>Precautions :</b>		1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.				
<b>Limitations :</b>		1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.				
<b>Use :</b>		For selective isolation and enumeration of Aeromonas species from food and clinical samples.				
<b>Storage :</b>		Dehydrated medium-below 30°C Prepared medium- Between 2 to 8°C.				
<b>Packing :</b>		500 gm. bottle				
<b>Product profile:</b>		Reconstitution	Quantity on Preparation (500g)	pH (25°C)	Supplement	Sterilization
<b>B919</b>		52.0 g/l	9.61 L	7.5 ± 0.2	Ampicillin supplement	121°C /15 min.

**Disclaimer:**

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