

<b>B918</b>		<b>AEROMONAS ISOLATION MEDIUM BASE</b>				
<b>Formula</b>						
<b>Ingredients:</b>		<b>gms/lit.</b>				
Peptone special		5.00				
Yeast extract		3.00				
L-Lysine hydrochloride		3.50				
L-Arginine hydrochloride		2.00				
Inositol		2.50				
Lactose		1.50				
Sorbose		3.00				
Xylose		3.75				
Bile salts		3.00				
Sodium thiosulphate		10.67				
Sodium chloride		5.00				
Ferric ammonium citrate		0.80				
Bromo thymol blue		0.04				
Thymol blue		0.04				
Agar		12.50				
Final pH (at 25°C) : 8.0 ± 0.2						
<b>Directions :</b>						
Suspend 28.15 grams in 500 ml distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Cool to 50°C and aseptically add rehydrated contents of 1 vial Aeromonas Selective Supplement (BF001). Mix well and dispense for use as desired.						
<b>Principle :</b>						
Aeromonas isolation medium is based on the formulation of Ryan. It is a modification of XLD Medium which supports the growth of Aeromonas, Plesiomonas, Proteus, as well as Enterobacteriaceae species so the medium is used as universal medium in the investigation of enteric disease. The selectivity of the medium is increased by the addition of Ampicillin.						
<b>QC Tests – (I)Dehydrated Medium</b>						
Colour :		Cream to medium amber				
Appearance :		Homogeneous Free Flowing powder				
<b>(II)Rehydrated medium</b>						
pH (post autoclaving/heating) :		8.0 ± 0.2				
Colour (post autoclaving/heating) :		Dark green				
Clarity (post autoclaving/heating) :		Clear to slightly opalescent				
<b>(III)Q.C. Test Microbiological</b>						
Cultural characteristics observed with added Aeromonas Selective Supplement (BF001) after 18-24 hrs. at 35-37°C.						
MICROORGANISM (ATCC )		GROWTH		COLONY CHARACTERISTICS		
Aeromonas hydrophila (7966)		Luxuriant		Dark green, opaque with dark centres		
Pseudomonas aeruginosa (27853)		Good - luxuriant		Blue/grey, translucent pinpoint		
Escherichia coli (25922)		Inhibited		-		
Salmonella typhi ( 6539 )		Inhibited		-		
Shigella flexneri (12022)		Inhibited		-		
<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 and differential isolation of Aeromonas hydrophila from clinical and environmental specimens.				
<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>B918</b>		56.3 g/l	8.88.76 L	8.0 ± 0.2	Aeromonas selective supplement (BF001)	121°C /15 min.