

**TECHNICAL SHEET**

<b>B1047</b>	<b>FURUNCULOSIS AGAR</b>				
<b>Formula</b>					
<b>Ingredients :</b>		<b>gms/lit.</b>			
Casein enzymichydrolysate		10.00			
Yeast extract		5.00			
Tyrosine		1.00			
Sodium chloride		2.50			
Agar		15.00			
Final pH (at 25°C) : Self					
<b>Directions :</b>					
Suspend 33.5 gms in 1000 ml distilled water. Boil to dissolve the medium completely. Dispense in tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. DO NOT OVERHEAT. Cool the tubes to cool in slanted position.					
<b>Principle :</b>					
Furunculosis Agar is formulated as per Griffin et al for detection of Aeromonassalmonicida on the basis of production of brownish red pigment. Casein enzymichydrolysate and yeast extract provide essential nutrients for growth. Sodium chloride maintains osmotic equilibrium. Brownish red pigmentation within two to three days of incubation at 22°C is a positive presumptive evidence. For the more rapid presumptive test, 0.5 ml of 1% aqueous solution of paraphenylenediamine can be applied to the colonies of a 24 hours old culture growing on the surface of the agar slants. Contact the reagent with all the growth. After application of the reagent, the tubes should be tipped and rotated to spread the reagent to cover the growth on slant, a deep purple colour is seen within 45 to 90 seconds.					
<b>QC Tests - (I)Dehydrated Medium</b>					
Colour :		Light yellow			
Appearance :		Homogeneous Free Flowing powder			
<b>(II)Rehydrated medium</b>					
pH (post autoclaving/heating) :		Self			
Colour (post autoclaving/heating) :		Light amber			
Clarity (post autoclaving/heating) :		Clear to slightly opalescent			
<b>(III)Q.C. Test Microbiological</b>					
Cultural characteristics observed after 18 – 48 hrs.at 35-37°C.					
MICROORGANISM (ATCC )		GROWTH		COLOUR OF COLONY	
Aeromonassalmonicida (33658)		Good - luxuriant		Brownish red	
<b>Precautions :</b>	<ol style="list-style-type: none"> <li>1. For Laboratory Use.</li> <li>2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.</li> </ol>				
<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 detection of Aeromonassalmonicida by means of its brownish red pigment production.				
<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>B1047</b>	33.5g/l	14.92L	SELF	NIL	121°C / 15 minutes

**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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