

## Technical Information

### Furunculosis MiVeg Agar

#### Product Code : VM1432

**Application:-** Furunculosis MiVeg Agar is recommended for the detection of *Aeromonas salmonicida* by means of its brownish red pigment production.

#### Composition

Ingredients	Gms / Litre
MiVeg hydrolysate	10.0
Yeast extract	5.0
Tyrosine	1.0
Sodium chloride	2.5
Agar	15.0

\*\* Formula adjusted, standardized to suit performance parameters.

#### Principle & Interpretation

Furunculosis MiVeg Agar is prepared by adding MiVeg hydrolysate in place of Casein enzymic hydrolysate thus making the medium free from BSE/TSE risks. Furunculosis MiVeg Agar is the modification of Furunculosis Agar which is formulated as per Griffin et al (1) for the detection of *Aeromonas salmonicida* based on pigment production (brownish red pigment). Brownish red pigmentation within two to three days of incubation at 22°C is a positive presumptive evidence. For more rapid and distinct presumptive test, 0.5 ml of 1% aqueous solution of paraphenylenediamine can be added to the colonies on 24 hours old agar slants and spread evenly over entire surface of the growth. The reagent should be in contact with the growth to visualize the reaction. After addition 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.

#### Methodology

Suspend 33.5 grams of powder media in 1000 ml distilled water. Mix thoroughly. Heat to boiling to dissolve the medium completely. Dispense in the test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Do not overheat. Cool the tubes in slanted position.

#### Quality Control

##### Physical Appearance

Light Yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.

##### Gelling

Firm, comparable with 1.5% Agar gel.

##### Colour and Clarity of prepared medium

Light amber coloured, clear to slightly opalescent gel forms in tubes as slants.

##### Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 35-37°C for 18 – 24 hours.

Organisms (ATCC)	Inoculum (CFU)	Growth	Recovery	Colour of colony
<i>Aeromonas salmonicida</i> (33658)	$10^2$ - $10^3$	good-luxuriant	>70%	brownish red



Dehydrated Culture Media  
Bases / Media Supplements

## Storage and Shelf Life

**Dried Media:** Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.

**Prepared Media:** 2-8° in sealable plastic bags for 2-5 day.

## Further Reading

1. Griffin, Snieszko and Friddle, 1953, Vet. Med., 48:280.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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