

**Furunculosis HiVeg™ Agar****MV432**

Furunculosis HiVeg Agar is used for detection of *Aeromonas salmonicida* by means of its brownish red pigment production.

**Composition \*\* :**

Ingredients	Grams/Litre
HiVeg hydrolysate	10.0
Yeast extract	5.0
Tyrosine	1.0
Sodium chloride	2.5
Agar	15.0

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

**Directions :**

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

**Principle and Interpretation :**

Furunculosis HiVeg Agar is prepared by using HiVeg hydrolysate in place of Casein enzymic hydrolysate which makes the medium free of BSE/TSE risks. Furunculosis HiVeg Agar is the modification of Furunculosis Agar which is formulated as per Griffin et al (1) for detection of *Aeromonas salmonicida* on the basis of production of 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 of a 24 hours old culture growing on the surface of the agar slants and spread evenly over the full surface of 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.

**Product Profile :**

Vegetable based (Code MV)Ⓞ	Animal based (Code M)
<b>MV432</b> HiVeg hydrolysate	<b>M432</b> Casein enzymic hydrolysate

**Recommended for** : Detection of *Aeromonas salmonicida* by means of its brownish red pigment production.

**Reconstitution** : 33.5 g/l

**Quantity on preparation (500g)** : 14.92 L

**(100g)** : 2.98 L

**pH (25°C)** : -

**Supplement** : None

**Sterilization** : 121°C / 15 minutes.

**Storage** : Dry Medium - Below 30°C, Prepared Medium 2 - 8°C.

**Quality Control :****Appearance of powder**

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

**Gelling**

Firm, comparable with 1.5% Agar gel.

**Colour and Clarity**

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

**Cultural Response**

Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 48 hours.

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

**References :**

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