



## HiVeg™ Infusion No. 1

RM022V

It can be employed for cultivation of fastidious anaerobic bacteria like Brucella, Streptococcus species. It can be used for bulk production of vaccines.

### Principle And Interpretation

HiVeg Infusion No. 1 is a dried infusion of vegetable origin. It is processed under controlled conditions to retain all nutritive values. Growth response of this vegetable infusion is comparable to liver infusion powder.

### Quality Control

#### Appearance

Light yellow to yellow may have slight green tinge Homogenous Free flowing powder, having Characteristic odour but not putrescent.

#### Solubility

Freely soluble in distilled water, insoluble in alcohol.

#### Clarity

1% w/v aqueous solution is clear without any haziness after autoclaving at 15 lbs pressure (121°C ) for 15 minutes.

#### Reaction

Reaction of 2% w/v aqueous solution at 25°C.

#### pH

5.50- 7.50

#### Microbial Load:

##### Total aerobic microbial count (cfu/gm)

By plate method when incubated at 30-35°C for not less than 3 days.

Bacterial Count : <= 2000 CFU/gram

##### Total Yeast and mould count (cfu/gm)

By plate method when incubated at 20-25°C for not less than 5 days.

Yeast & mould Count : <= 100 CFU/gram

#### Test for Pathogens

1. E.coli-Negative in 10 gms of sample  
2. Salmonella species-Negative in 10 gms of sample  
3. Pseudomonas aeruginosa-Negative in 10 gms of sample  
4. Staphylococcus aureus- Negative in 10 gms of sample  
5. C.albicans- Negative in 10 gms of sample  
6. Clostridia- Negative in 10 gms of sample

#### Indole Test

Tryptophan Test: Passes

#### Cultural response

Cultural response observed after an incubation at 35-37°C for 24-48 hours by preparing Liver Infusion HiVeg Agar (MV374) using HiVeg Infusion No.1, as an ingredient.

#### Cultural Response

Organism	Growth
<b>Cultural response</b>	
<i>Brucella melitensis</i> ATCC 4309	Luxuriant
<i>Brucella suis</i> ATCC 6597	Luxuriant
<i>Streptococcus mitis</i> ATCC 9895	Luxuriant
<i>Clostridium sporogenes</i> ATCC 11437	Luxuriant

**Chemical Analysis**

Total Nitrogen	$\geq 11.0\%$
Amino Nitrogen	$\geq 3.50\%$
Sodium chloride	$\leq 5.0\%$
Loss on drying	$\leq 6.0\%$
Residue on ignition	$\leq 12.50\%$

**Storage and Shelf Life**

Store below 30°C. Use before expiry date on the label.

**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 HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.