



# Technical Data

## HiVeg™ Hydrolysate No. 2

RM023V

### Principle And Interpretation

HiVeg Hydrolysate No. 2 is an enzymic digest of vegetable proteins and contains highly nutritive ingredients required for cultivation of nutritionally demanding microorganisms. Growth response of this hydrolysate is comparable with Liver Hydrolysate (RM023). It can also be recommended for large scale cultivation of these bacteria for the purpose of vaccine production.

### 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

#### Indole Test

Tryptophan Test: Passes.

#### 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

#### Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing Liver Infusion HiVeg Agar (MV374) using HiVeg Hydrolysate No. 2 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	>= 11.0%
Amino Nitrogen	>= 3.80%
Sodium chloride	<= 4.0%
Loss on drying	<= 7.0%
Residue on ignition	<= 11.0%

**Storage and Shelf Life**

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

**Disclaimer :**

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