



## HiVeg™ Hydrolysate No. 1

RM030V

It can be used in following media: Tryptose Media : for cultivation of fastidious microorganisms and for preparing Blood Agars, HiVeg (MV073/MV834). HiVeg hydrolysate No. 1 aids in maintaining blood cells in excellent state, thus haemolytic reactions can be easily demonstrated. Vaccine Preparation Media : for rapid and luxuriant growth as desired for large scale manufacturing of vaccines and toxins.

### Principle And Interpretation

HiVeg Hydrolysate No. 1 is specially prepared enzymic hydrolysate of vegetable proteins that can successfully replace Tryptose (RM030) (Milk Protein).

### Quality Control

#### Appearance

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

#### Solubility

Freely soluble in distilled/purified 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 content: Passes

#### Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing Lauryl Tryptose HiVeg Broth (MV080) using HiVeg Hydrolysate No. 1 as an ingredient.

#### Cultural Response

Organism	Growth	Gas
<i>Enterobacter aerogenes</i> ATCC 13048	Luxuriant	Gas production Positive
<i>Escherichia coli</i> ATCC 25922	Luxuriant	Gas production Positive
<i>Staphylococcus aureus</i> ATCC 25923	Inhibited	-

<i>Enterococcus faecalis</i> ATCC Inhibited 29212	-
<i>S.Typhimurium</i> ATCC 14028 Luxuriant	Gas production Negative

**Chemical Analysis**

Total Nitrogen	>= 10.0%
AminoNitrogen	>= 3.0%
Sodium chloride	<= 4.50%
Loss on drying	<= 7.0%
Residue on ignition	<= 10.0%

**Storage and Shelf Life**

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

**Disclaimer :**

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