



Technical Data

HiVeg Peptone B

RM6392V

It is refined product rich in proteoses, peptides and free amino acids. It provides superior nutrition for fastidious organisms including pyogenic cocci.

Principle And Interpretation

HiVeg Peptone B is manufactured under controlled conditions from vegetable proteins. It is rich in free amino acids. Growth Performance is comparable with Proteose Peptone B. (RM6392).

Quality Control

Appearance

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

Solubility

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 : \leq 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 : \leq 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 on Proteose HiVeg Agar (MV1176) using HiVeg Peptone B as an ingredient.

Cultural Response

Organism	Growth
Cultural Response	
<i>Vibrio cholerae</i> (15748)	Luxuriant
<i>Vibrio parahaemolyticus</i> (11344)	Luxuriant

Chemical Analysis

Total Nitrogen	>= 11.0%
Amino Nitrogen	>= 3.50%
Sodium chloride	<= 5.0%
Loss on drying	<= 7.0%
Residue on ignition	<= 12.0%

Storage and Shelf Life

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

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