



HiVeg Peptone F

RM9150

It can be used in industrial fermentations specially supporting growth of Actinomyces species.

Principle And Interpretation

HiVeg Peptone F is manufactured under controlled conditions from vegetable proteins which is rich in nutritional values which is almost equivalent to cotton seed extract.

Quality Control

Appearance

Off white to light yellow Homogenous Free flowing powder, having Characteristic odour but not putrescent.

Solubility

Freely soluble in distilled/purified water, insoluble in alcohol and ether.

Clarity

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

Reaction

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

pH

6.00- 7.00

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 incubation at 35-37°C for 18 - 24 hours by preparing Actinomyces HiVeg Agar (MV341) using HiVeg Peptone F, as an ingredient.

Cultural Response

Organism	Growth
Cultural Response	
* <i>Actinomyces israelii</i> ATCC 10049 (Incubate Anaerobically)	luxuriant
<i>Streptomyces achromogenes</i> ATCC 12767	good
<i>Streptomyces albus</i> subsp <i>albus</i> ATCC 3004	good
<i>Streptomyces lavendulae</i> ATCC 8664	good
* <i>Actinomyces bovis</i> ATCC 13683	good

Chemical Analysis

Total Nitrogen	$\geq 9.50\%$
Amino Nitrogen	$\geq 2.0\%$
Sodium chloride	$\leq 5.0\%$
Loss on drying	$\leq 7.0\%$
Residue on ignition	$\leq 12.50\%$

Storage and Shelf Life

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

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