



## HiVeg™ Peptone No. 4 (HiVeg™ Mycological Peptone)

RM006V

### Intended use

HiVeg™ Peptone No. 4 (HiVeg™ Mycological Peptone) is prepared under controlled condition from vegetable proteins. Its growth promoting properties are equivalent to Peptone M (RM006). It is highly nutritious and is suitable for cultivation of yeasts and moulds.

### Warning and Precautions

Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Safety guidelines may be referred in individual safety data sheets.

### Limitations

1. It is biological origin product since variation in colour of powder and clarity may be observed.
2. Each lot of the product has been tested for the organisms specified on the COA. It is recommended to users to validate the medium for any specific microorganism other than mentioned in the COA based on the user's requirement.
3. Individual organisms differ in their growth requirement and may show variable growth patterns on the medium prepared by the product.

### Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the expiry period when stored at recommended temperature

### Quality Control

- **Appearance** : Light yellow to brownish yellow, may have a slight green tinge homogenous free flowing characteristic odour of protein, derived from vegetable source.
  - **Solubility** : Freely soluble in distilled/ purified water, insoluble in alcohol.
  - **Clarity** : 1% w/v aqueous solution is clear to slight opalescent after autoclaving at 15 lbs pressure (121°C) for 15 minutes.
  - **pH** : pH of 2% w/v aqueous solution at 25°C 5.5- 7.5
  - **Microbial Load** :  
Bacterial Count : <= 2000 CFU/gram by plate method, when incubated at 30-35°C for not less than 3 days  
Yeast & mould Count : <= 100 CFU/gram by plate method, when incubated at 20-25°C for not less than 5 days.
  - **Test for pathogens** : 1. *Escherichia coli*- Absent/gram of sample 2. *Salmonella* species- Absent/10 gram of sample 3. *Pseudomonas aeruginosa*- Absent/gram of sample 4. *Staphylococcus aureus*- Absent/gram of sample 5. *Candida albicans*- Absent/gram of sample 6. *Clostridia*- Absent/gram of sample
  - **Indole test** : Tryptophan content: Passes
- Cultural response** : Cultural response observed after incubation at 25-30°C for 48-72 hours by preparing Malt Extract HiVeg™ Agar (MV137) using HiVeg™ Peptone No.4 as an ingredient.

**Cultural Response**

Organism	Growth
<i>Candida albicans</i> ATCC 10231 (WDCM 00054)	Luxuriant
<i>Saccharomyces cerevisiae</i> ATCC 9763 (WDCM 00058)	Luxuriant
<i>Aspergillus brasiliensis</i> ATCC 16404 (WDCM 00053)	Luxuriant

**Chemical Analysis :**Total nitrogen :  $\geq 9.50$  %Amino Nitrogen :  $\geq 3.00$  %Sodium chloride :  $\leq 5.00$  %Loss on drying :  $\leq 7.00$  %Residue on ignition :  $\leq 18.00$  %**Storage and Shelf Life**

Store between 10-30°C in tightly closed container and away from bright light. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources. Seal the container tightly after use.

**Disposal**

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.



Storage temperature



Do not use if package is damaged



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**Disclaimer :**

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