



Technical Data

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RM326V

Intended use

HiVeg™ Extract No. 2 is a specially prepared dehydrated extract of vegetable proteins. Growth response of this vegetable extract is comparable to Liver Extract powder (RM326). It is employed in culture media for cultivation of fastidious anaerobic bacteria such as *Brucellae* and *Clostridia*. And incorporated in Blood Agar Base No. 2, HiVeg™ (MV834) for cultivation of a wide variety of pathogenic microorganisms. Also used for bulk production of vaccines, steroids and enzymes.

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 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 product 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 yellow, may have a slight green tinge homogenous free flowing powder, having 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.

Reaction

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

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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. *Escherichia 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. *Candida 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 24-48 hours by preparing LI Agar ,Hiveg™(M374) using HiVeg™ Extract No. 2 as an ingredient.

Cultural Response

Organism	Growth
<i>Clostridium perfringens</i> ATCC 12924	Luxuriant
<i>Clostridium sporogenes</i> ATCC 11437	Luxuriant
<i>Streptococcus pneumoniae</i> ATCC 6303	Luxuriant

Chemical Analysis

Total Nitrogen	>= 10.0%
Amino Nitrogen	>= 3.50%
Sodium chloride	<= 4.20%
Loss on drying	<= 7.0%
Residue on ignition	<= 11.50%

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.

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