



Technical Data

HiVeg™ Extract No. 2

RM326V

It can be employed for cultivation of fastidious anaerobic bacteria such as Brucellae and Clostridia by adding to Thioglycollate HiVeg media (MV009/ MV010). It can also be incorporated in Blood Agar Base No. 2, HiVeg (MV834) and for cultivation of a wide variety of pathogenic microorganisms and for bulk production of vaccines, steroids, enzymes, etc.

Principle And Interpretation

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).

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 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 incubation at 35 - 37°C for 18-48 hours by preparing Blood Agar Base No. 2, HiVeg (MV834) using Veg Extract No. 2 as an ingredient.

Cultural Response

Organism	Growth	Haemolysis
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Cultural Response

<i>Neisseria meningitidis</i> ATCC 13090	Good-luxuriant	None
<i>Staphylococcus aureus</i> ATCC 25923	Good-luxuriant	Beta
<i>Streptococcus pneumoniae</i> ATCC 6303	Good-luxuriant	Alpha
<i>Streptococcus pyogenes</i> ATCC 19615	Good-luxuriant	Beta

Chemical Analysis

Total Nitrogen	$\geq 10.0\%$
Amino Nitrogen	$\geq 3.50\%$
Sodium chloride	$\leq 4.20\%$
Loss on drying	$\leq 7.0\%$
Residue on ignition	$\leq 11.50\%$

Storage and Shelf Life

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

Disclaimer :

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