



HiVeg™ Extract No. 1

RM003V

It is used as follows : General purpose media : Standard Nutrient HiVeg Media (MV877/ MV116), Staphylococcus Enrichment HiVeg Broth (MV464), Disinfectant Test HiVeg Broth (MV354). Diagnostic Media : Yersinia Isolation HiVeg Agar (MV564), Salmonella HiVeg Agar ÖNÖZ (MV573), Inositol Brilliant Green HiVeg Agar (MV574), etc. Bulk production of antibiotics, enzymes, steroid vaccines and other products of microbiological origin.

Principle And Interpretation

HiVeg Extract No. 1 is prepared under controlled conditions by extracting vegetable proteins. Cultural response is comparable with Meat extract powder (RM003). 0.3 - 0.5% concentration supports the growth of fastidious organisms, when combined with suitable vegetable peptones.

Quality Control

Appearance

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

Solubility

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

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

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 an incubation at 35-37°C for 18-24 hours by preparing Yersinia Isolation HiVeg Agar (MV564) using HiVeg Extract No.1 as an ingredient.

Cultural Response

Organism	Growth
Cultural response	
<i>Escherichia coli</i> ATCC 25922	none-poor
<i>Proteus mirabilis</i> ATCC 25933	fair-good
<i>Salmonella Typhimurium</i> ATCC 14028	fair-good
<i>Shigella flexneri</i> ATCC 12022	none-poor

Yersinia enterocolitica good-luxuriant
ATCC 27729

Chemical Analysis

Total Nitrogen	$\geq 11.50\%$
Amino Nitrogen	$\geq 3.50\%$
Sodium chloride	$\leq 4.0\%$
Loss on drying	$\leq 7.0\%$
Residue on ignition	$\leq 9.50\%$

Storage and Shelf Life

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

Disclaimer :

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