

Technical Information

Liver Extract Paste

Product Code: BA9710

Principle & Interpretation

HL Extract Paste is processed under controlled conditions to retain all the nutritive values. It is incorporated in media which are used for the growth of fastidious anaerobic organisms. Also used for bulk production of vaccines, steroids and enzymes. It is equivalent to Liver Extract Paste.

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

Brownish yellow to brown homogenous viscous paste, having characteristic odour but not putrescent.

Solubility

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

Reaction

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

pH

5.00- 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 : <= 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

Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing LI Agar (DM1374) using HL Extract Paste as an ingredient.



Dehydrated Culture Media
Bases / Media Supplements

Cultural response

Organism

Brucella melitensis ATCC4309

Brucella suis ATCC 6597

Streptococcus mitis ATCC9895

Clostridium sporogenes ATCC 11437

Growth

Luxuriant

Luxuriant

Luxuriant

Luxuriant

Chemical Analysis

Total Nitrogen $\geq 6.0\%$

Total Solids $\geq 60.0\%$

Amino Nitrogen $\geq 2.0\%$

Sodium chloride $\leq 5.0\%$

Residue on ignition $\leq 10.0\%$

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 of ignition. 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.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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