

Technical Information

Liver Extract Powder

Product Code: BA2326

Principle & Interpretation

Liver Extract Powder is processed under controlled conditions to retain all the nutritive values of liver. 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.

Quality Control

Appearance

Brownish yellow to brown homogenous free flowing powder characteristic odour but not putrescent.

Solubility

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

Clarity

1% w/v aqueous solution is clear to opalescent may develop precipitate after autoclaving at 15 lbs pressure (121°C) for 15 minutes

pH

pH of 2% w/v aqueous solution at 25°C 6.0- 7.0

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 an incubation at 35-37°C for 18-24 hours by preparing LI Agar (DM1374) using Liver Extract powder 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	≥ 9.50%
Amino Nitrogen	≥ 3.50%
Sodium chloride	≤ 10.00%
Loss on drying	≤ 6.00%
Residue on ignition	≤ 15.00%

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 of ignition. Seal the container tightly after use.



Dehydrated Culture Media
Bases / Media Supplements

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform 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
- Central Drug House Pvt. Ltd. reserves the right to make changes to specifications and information related to the products at any time.
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