



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Liver Infusion Powder

Product Code: BA2022

Principle & Interpretation

Liver Infusion Powder is prepared controlled conditions to retain all nutritive values of liver. It is recommended for bulk production of antibiotics, vaccines, enzymes and bacteriological culture media, for cultivation of fastidious organisms.

Quality Control

Appearance

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

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

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

Microbial Load:

Total aerobic microbial count (cfu/gm)

Bacterial Count : \leq 2000 CFU/gram by plate method, when incubated at 30-35°C for not less than 3 days

Yeast & mould Count : \leq 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 24-48 hours by preparing LI Agar (DM1374) using Liver Infusion Powder, as an ingredient.

Cultural response

Organism

Clostridium perfringens ATCC 12924

Clostridium sporogenes ATCC 11437

Streptococcus pneumoniae ATCC 6303

Growth

Luxuriant

Luxuriant

Luxuriant

Chemical Analysis

Total Nitrogen \geq 11.0%

Amino Nitrogen \geq 3.00%

Sodium chloride \leq 8.00%

Loss on drying \leq 6.00%

Residue on ignition \leq 15.00%

Storage and Shelf Life

Dried Media: 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.





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Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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