

Technical Information

Liver Hydrolysate, Neutralized

Product Code: BA8405

Principle & Interpretation

Liver Hydrolysate, Neutralized is water soluble and compatible with other media ingredients. Its neutralized form are very nutritious, used for cultivation of fastidious anaerobic bacteria.

Quality Control

Appearance

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

Solubility

Freely soluble in distilled 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

6.80- 7.20

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

Indole Test

Tryptophan Test: Passes

Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing LI Agar (DM1374) using Liver Hydrolysate, Neutralised as an ingredient.

Cultural response

Organism	Growth
<i>Brucella melitensis</i> ATCC 4309	Luxuriant
<i>Brucella suis</i> ATCC 6597	Luxuriant
<i>Streptococcus mitis</i> ATCC 9895	Luxuriant
<i>Clostridium sporogenes</i> ATCC 11437	Luxuriant

Chemical Analysis

Total Nitrogen	>= 11.0%
Amino Nitrogen	>= 3.50%
Sodium chloride	<= 5.40%
Loss on drying	<= 6.00%
Residue on ignition	<= 12.50%



Dehydrated Culture Media
Bases / Media Supplements

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.

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
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