



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Certified Heart Infusion

Product Code: BC2032

Principle & Interpretation

HI Certified is manufactured under controlled conditions to obtain low endotoxin content in final product. It is often used as an added enrichment in culture media. It can also be used in media for propagation of cell line. It is equivalent to Certified Heart Infusion.

Quality Control

Appearance

Light yellow to brownish yellow homogenous free flowing powder, having characteristic odour but not putrescent.

Solubility

Soluble in distilled/ purified water, insoluble in alcohol and ether

Clarity

1% w/v aqueous solution is clear without any haziness and free from visible foreign/black particles after autoclaving at 15lbs pressure (121°C) for 15 minutes..

Reaction

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

pH

6.00- 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

Indole Test

Tryptophan content: Passes

Cultural response

Cultural response observed after an incubation at 35-37°C for 18-24 hours by preparing MacConkey Agar (DM1081), using Bile Salts Mixture, Certified as an ingredient.

Cultural response

Organism

Candida albicans ATCC26790

Escherichia coli ATCC25922

Shigella flexneri ATCC12022

Staphylococcus aureus ATCC 25923

Growth

Luxuriant

Luxuriant

Luxuriant

Luxuriant



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Streptococcus pneumoniae ATCC 6303

Luxuriant

Chemical Analysis

Total Nitrogen >= 10.0%

AminoNitrogen >= 3.80%

Sodium chloride <= 5.0%

Loss on drying <= 5.0%

Residue on ignition <= 12%

Storage and Shelf Life

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

Disclaimer :

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