



Technical Information

HM Infusion Powder

Product Code: BA 2192

Application: - HM Infusion Powder is specially designed to maximize the growth of highly fastidious microorganisms. It is employed in laboratory media formulations for mass cultivation of microorganisms for various purposes. It is also recommended as an additive in vaccine preparations. When dissolved in water it produces amber coloured solution, which remains clear even after autoclaving. It is equivalent to Meat Infusion Powder.

Quality Control

Appearance

Light yellow to brownish yellow homogenous free flowing powder, having 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^oC) for 15 minutes.

Reaction

Reaction of 2% w/v aqueous solution at 25^oC.

pH

6.20 - 7.20

Microbial Load:

Total aerobic microbial count (cfu/gm)

By plate method when incubated at 30-35^oC 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^oC 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 incubation at 35 - 37^oC for 18-48 hours by preparing Nutrient Agar (DM1 6001), using HM Infusion Powder as an ingredient.

Cultural Response

Organism	Growth
<i>Escherichia coli</i> ATCC 25922	Good-luxuriant
<i>Pseudomonas aeruginosa</i> ATCC 27853	Good-luxuriant
<i>Salmonella</i> Typhi ATCC 6539	Good-luxuriant
<i>Streptococcus pyogenes</i> ATCC 19615	Good-luxuriant
<i>Staphylococcus aureus</i> ATCC 25923	Good-luxuriant



Dehydrated Culture Media
Bases / Media Supplements

Chemical Analysis

Total Nitrogen	$\geq 12.0\%$
AminoNitrogen	$\geq 3.0\%$
Sodium chloride	$\leq 6.0\%$
Loss on drying	$\leq 5.0\%$
Residue on ignition	$\leq 20.0\%$

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
- 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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