1219 -MEAT INFUSION POWDER

INTENDED USE

Used in as a media base for cultivation of fastidious organisms and antibiotic sensitivity test.

PRODUCT SUMMARY AND EXPLANATION

It is rich in amino acids, peptides and other nutrients. Used in media employed for cultivation of fastidious organisms, like Brucella species, Mycoplasma, Pneumococci, Gonococci, Meningococci, Actinomycetes, fungi, etc. It is equivalent to Heart Infusion Powder. It is Light yellow to brownish yellow colour free flowing powder having characteristic odour but not pungent smell. It is soluble in distilled water & clear solution.

PRINCIPLE

Meat Infusion Powder is manufactured under controlled conditions to meet the nutritional demands of highly fastidious microorganisms. It is rich in amino acids, peptides and other nutrients. Used in media employed for cultivation of fastidious organisms, like Brucella species, Mycoplasma, Pneumococci, Gonococci, Meningococci, Actinomycetes, fungi, etc. and mass cultivation of microorganisms for the preparations of vaccines and antibiotic sensitivity test.

INSTRUCTION FOR USE

Meat Infusion Powder is a general-purpose liquid medium used in the cultivation of fastidious and nonfastidious microorganisms, including aerobic and anaerobic bacteria, from a variety of clinical and nonclinical materials.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Yellowish to brownish colour, free flowing powder having meat characteristic odour but not pungent smell.
Solubility (2% soln. at 25°C)	:	Soluble in distilled water, clear.
Clarity (2% Soln. at 121ºC) After Autoclave	:	Clear solution. No ppt.
pH (2% soln. at 25 ºC)	:	6.5 – 7.5
Loss on drying (at 105 ºC)	:	NMT – 6.0%
Total Nitrogen Content	:	NLT – 12.0%
α-Amino Nitrogen	:	NLT – 3.5%
Total Ash	:	NMT – 15.0%
Chloride (as NaCl)	:	NMT – 6.0%
Indole Test	:	Positive
Microbial Parameter	:	Passes Test

INTERPRETATION

Cultural characteristics observed 2% Meat Infusion Powder and 1.5% agar after incubation at 35-37ºC for 18-48 hours.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth
Escherichia coli	8739	50-100	Good - Luxuriant
Pseudomonas aeruginosa	9027	50-100	Good - Luxuriant
Salmonella Typhi	6539	50-100	Good - Luxuriant
Staphylococcus aureus	6538	50-100	Good - Luxuriant
Streptococcus pyogenes	19615	50-100	Good - Luxuriant

PACKAGING:

Standard packing is 500gm in plastic bottle. After packing tightly closed in a dry and well-ventilated place.

STORAGE

Keep plastic bottle tightly closed in a dry and well-ventilated place, Store in cool place. 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 plastic bottle after use.

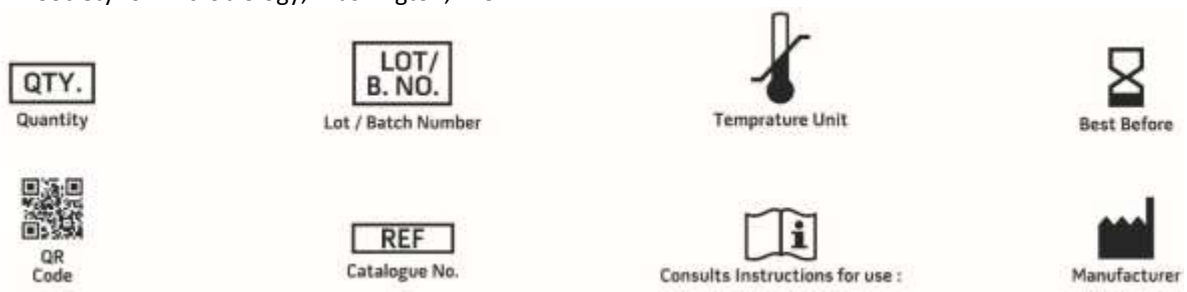
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

DISPOSAL

After use, contact a licenced professional waste disposal service to dispose off this material. Dispose of as unused product.

REFERENCES

1. American Pharmaceutical Association. 1950. The national formulary, 9th ed., APA, Washington, D.C.ISO 6888-1:1999/Amd 1:2003. Inclusion of precision data.
2. Pratt-Rippin and Pezzlo. 1992. In Isenberg (ed.), Clinical microbiology procedures handbook, vol. 1. American Society for Microbiology, Washington, D.C.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**

Revision: 05th Oct. 2019