CM 24025 - VEG. HEART INFUSION POWDER (Culture Media Ingredient)

INTENDED USE

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

PRODUCT SUMMARY AND EXPLANATION

Itis richin aminoacids, peptidesandother 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 isLightyellow to brownish yellow colour free flowing powder having characteristic odour but not pungent smell. It is solubleindistilled water & clear solution.

PRINCIPLE

Veg.Heart Infusion Powderismanufactured under controlled conditions to meet the nutritional demands of highly fastidious microorganisms.Itisrichin amino acids, peptides and other nutrients. Used in media employed for cultivation of fastidious organisms, likeBrucella species, Mycoplasma, Pneumococci, Gonococci, Meningococci, Actinomycetes, fungi, etc. and mass cultivationofmicroorganisms for the preparations of vaccines and antibiotic sensitivity test.

INSTRUCTION FOR USE

Veg.HeartInfusionPowder 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	:	Light yellow to brownish yellow colour free flowing powder having 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 – 5.0%
Total Nitrogen Content	:	NLT – 12.0%
α-Amino Nitrogen	:	NLT – 3.5%
Total Ash	:	NMT – 10.0%
Chloride (as NaCl)	:	NMT – 6.0%
Indole Test	:	Positive
Microbial Parameter	:	Passes Test
Growth Promotion Test	:	Passes Test

INTERPRETATION

CulturalCharacteristic observed in 2% Veg. Heart Infusion Powder and 1.5% agar after incubation at 35-37°C for 18-48 hours.

Microorganism	ATCC	Growth w/o blood	Growth with 5% blood	Haemolysis
Staphylococcus aureus	6538	good-luxuriant	luxuriant	Beta
Neisseria meningitidis	13090	good-luxuriant	luxuriant	None
Streptococcus pneumoniae	6303	good-luxuriant	luxuriant	Alpha

Streptococcus pyogenes	19615	good-luxuriant	luxuriant	Beta
Staphylococcus aureus	6538	good-luxuriant	luxuriant	Beta

PACKAGING:

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

STORAGE

Keepplastic 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.

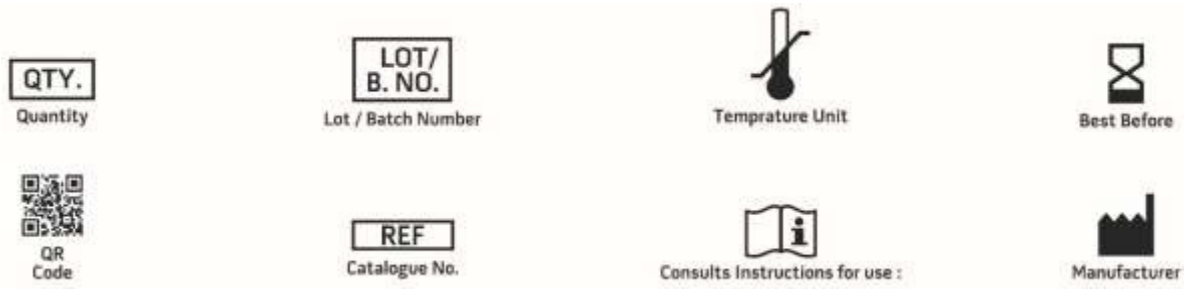
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

DISPOSAL

Afteruse,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.

*ForLab Use Only