

CM 24023 - VEG..CASEIN ENZYMATIC HYDROLYSATE (TRYPTONE TYPE-I)

INTENDED USE

For used in culture media such as sterility testing media, diagnostic media and media for biochemical characterization.

PRODUCT SUMMARY AND EXPLANATION

Veg.Casein Enzymatic Hydrolysate is an enzymatic digest of milk protein, it is rich source of amino nitrogen. It is used to support the growth of fastidious microorganisms and also suitable for use in media for fermentation studies. It is Off white to creamish yellow colour, free flowing powder having characteristic odour but not pungent smell, Soluble in distilled Water, Clear. Insoluble in alcohol.

PRINCIPLE

Veg.Casein Enzymatic Hydrolysate is an enzymatic digest of milk protein, very rich in amino nitrogen. It is used in the production of Sterility Testing Media such as Tryptone Soya Agar etc, and various Diagnostic Media. It is also used in media for fermentation processes to produce antibiotics and toxins.

INSTRUCTION FOR USE

Veg.Casein Enzymatic Hydrolysate used in sterility testing, diagnostic media preparations.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Off white to creamish yellow colour, free flowing powder having characteristic odour but not pungent smell.
Solubility (2% soln. at 25°C)	:	Soluble in distilled Water, Clear. Insoluble in alcohol.
Clarity (2% Soln. at 121°C)	:	Clear solution. No ppt.
pH (2% Soln. at 25°C)	:	6.5 – 7.5
Loss on drying (at 105°C)	:	NMT – 5.0%
Total Nitrogen (DWB)	:	NLT – 12.5%
α-Amino Nitrogen	:	NLT – 3.0%
Total Ash	:	NMT – 13.0%
Chloride (as NaCl)	:	NMT – 5.0%
Indole Test	:	Positive
Microbial test	:	Passes Test

INTERPRETATION

Cultural Characteristic observed in 2.0% Veg. Casein Acid Hydrolysate used as an ingredient in after incubation at 35-37°C for 18-24 hours.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth
Staphylococcus aureus	25923	50-100	Good - Luxuriant
Escherichia coli	25922	50-100	Good - Luxuriant
Pseudomonas aeruginosa	27853	50-100	Good - Luxuriant
Bacillus subtilis	6633	50-100	Good - Luxuriant
Enterococcus faecalis	29212	50-100	Good - Luxuriant
Streptococcus pyogenes	19615	50-100	Good - Luxuriant

PACKAGING:

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



STORAGE

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

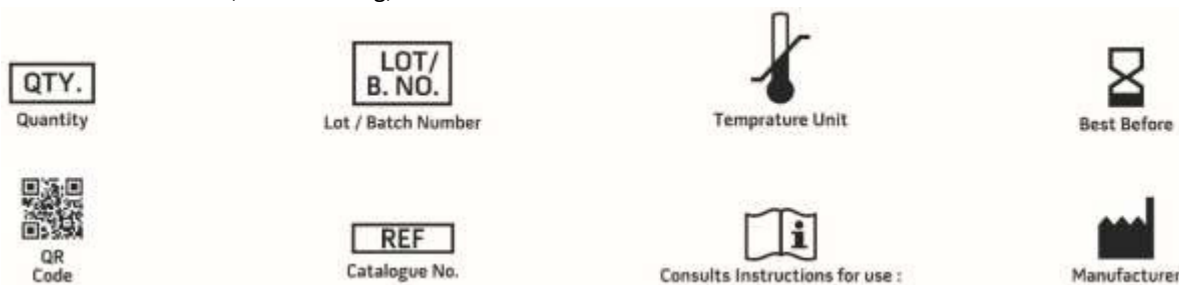
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

DISPOSAL

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

REFERENCES

1. United States Pharmacopeial Convention, Inc. 2008. The United States pharmacopeia 31/The national formulary 26, Supp. 1, 8-1-08, online. United States Pharmacopeial Convention, Inc., Rockville, Md.
2. U.S. Food and Drug Administration. 2001. Bacteriological analytical manual, online. AOAC International, Gaithersburg, Md



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

*ForLab Use Only