

CM 24021 - VEG.BIO PEPTONE (Culture media Ingredient)

INTENDED USE

Bio Peptone (Mixture Of Casein & Meat Peptone) is used in culture media as a cultivation of fastidious microorganisms in Columbia Broth Base, Dextrose Agar and Casman Agar Base. It is also used as a and large scale production of antibiotics, enzymes & other products of microbiological origin.

PRODUCT SUMMARY AND EXPLANATION

Bio Peptone (Mixture Of Casein & Meat Peptone) is a mixture of enzymic digest of casein and animal tissues. It meets the nutritional requirements not supplied by meat peptone or casein hydrolysate individually. It provides a broad spectrum of peptides and amino acids and hence can be used in the manufacture of various culture media. It is Creamish to Yellowish colour, free flowing powder having characteristic odour but not pungent smell. It is Soluble in distilled Water, Clear. Insoluble in alcohol.

INSTRUCTION FOR USE

BioPeptone(Mixture Of Casein & Meat Peptone) is recommended for the cultivation of fastidious microorganisms in Columbia Broth Base, Dextrose Agar and Casman Agar Base.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Creamish to Yellowish colour, free flowing powder having characteristic odour but not pungent smell.
Solubility (2% Soln. at 25°C)	:	Soluble in water and alcohol.
Clarity (2% Soln. at 121°C.) After Autoclave	:	Clear solution.
pH (2% Soln. at 25 °C)	:	6.5 - 7.5 NMT
Loss on drying (at 105 °C)	:	- 6.0% NLT -
Total Nitrogen (DWB)	:	12.0% NLT
αAmino Nitrogen	:	-2.5%
Total Ash	:	NMT - 12.0%
Chloride (as NaCl)	:	NMT - 5.0%
Indole Test	:	Positive
Microbial Test	:	Passes Test

INTERPRETATION

Cultural Characteristic observed after an incubation at 35-37°C for 18-24 hours by preparing Columbia Broth using Biopeptone as an ingredient.

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
Listeria monocytogenes	19112	50-100	Good - Luxuriant
Enterococcus faecalis	29212	50-100	Good - Luxuriant
Streptococcus pyogenes	19615	50-100	Good - Luxuriant
Clostridium perfringens	12924	50-100	Good - Luxuriant



PACKAGING:

Standard packing is 500gm, 5kg in plastic bottle & drum. After packing tightly closed in a dry and well-ventilated place.

STORAGE

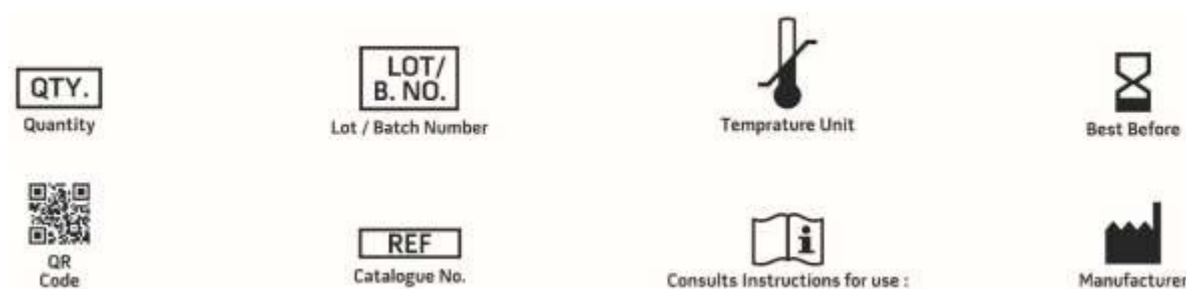
Store at room temperature in cool place, Keep plastic bottle tightly closed in a dry and well-ventilated place. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the container tightly after use.

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

DISPOSAL

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

REFERENCES: NA



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

*For Lab Use Only