

3534 – GELATONE (STD) TBL POWDER (CULTURE MEDIA INGREDIENT)

INTENDED USE

It is recommended for used as media ingredient in fermentation studies, preparation of microbiological media and also Manufacturing process.

PRODUCT SUMMARY AND EXPLANATION

Veg. Gelatone (Gelatin Peptone) is a pancreatic digest of porcine skin, Pancreatic digestion produces a balanced mixture of amino acids, including essential amino acids, in optimal ration and low molecular peptides. It is low in fermentable carbohydrates and is used in culture media, especially for non-fastidious microorganisms. It is also used as a fermentation studies.

PRINCIPLE

Veg. Gelatone (Gelatin Peptone) is prepared by enzymic digestion of gelatin. This product has a low cystine and tryptohane content and is deficient of carbohydrates. It is used in antibiotic assay media yielding low but reliable and reproducible growth level and also in media used for various fermentation studies.

INSTRUCTION FOR USE

Fermentation, Ingredients for culture media and also manufacturing process.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Creamish to light yellowish 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 121°C)	:	Clear solution. No ppt.
pH (2% Soln. at 25 °C)	:	6.5 – 7.5
Loss on drying (at 105 °C)	:	NMT – 6.0%
Total Nitrogen (DWB)	:	NLT – 14.0%
α-Amino Nitrogen	:	NLT – 1.5%
Total Ash	:	NMT – 15.0%
Chloride (as NaCl)	:	NMT – 5.0%
Microbial Test	:	Passes Test

INTERPRETATION

Cultural response observed after an Veg. Gelatone and Agar () using Gelatin Peptone as an ingredient

Microorganism	ATCC	Inoculum (CFU/ml)	Growth
<i>Staphylococcus aureus</i>	25923	50 - 100	Good - Luxuriant
<i>Escherichia coli</i>	25922	50 - 100	Good - Luxuriant
<i>Pseudomonas aeruginosa</i>	27853	50 - 100	Good - Luxuriant
<i>Salmonella typhi</i>	6539	50 - 100	Good - Luxuriant

PACKAGING

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



STORAGE

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

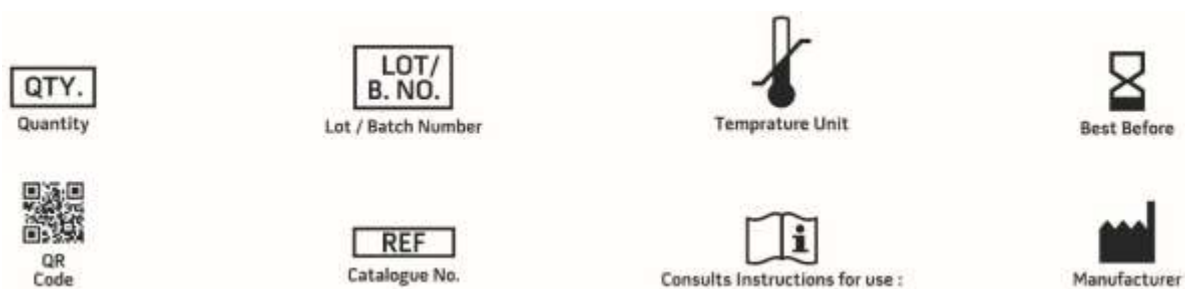
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

DISPOSAL

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

REFERENCES

1. Anderson, N.L., et al. Cumitech 3B; Quality Systems in the Clinical Microbiology Laboratory, Coordinating ed., A.S. Weissfeld. American Society for Microbiology, Washington, D.C.
2. Isenberg, H.D. Clinical Microbiology Procedures Handbook, Vol. I, II & III. American Society for Microbiology, Washington, D.C.
3. MacFaddin, J.F. Biochemical Tests for Identification of Medical Bacteria,, Lipincott Williams & Wilkins, Philadelphia, PA



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

***For Lab Use Only**
Revision: 05th Oct. 2019