1502 - GELATONE (GELATIN PEPTONE)
(Culture Media Ingredient)

INTENDED USE
Used in antibiotic sensitivity testing media, vaccine preparation media etc.

PRODUCT SUMMARY AND EXPLANATION
Casein Acid Hydrolysate is the result of acidic digestion of milk protein by hydrochloric acid. Absence of sulphonamide inhibitors makes Casein Acid Hydrolysate Powder ideal for preparation of Antibiotic Test Media, like Mueller Hinton Agar and Vaccine Preparation Media as a source of high concentration of free amino acids. It contains all amino acids (except Tryptophan and Cystine which are destroyed during acid hydrolysis) present in milk protein and high sodium chloride content

PRINCIPLE
Casein Acid Hydrolysate is the result of acidic digestion of milk protein-casein by hydrochloric acid. As such, it contains all amino acids (except Tryptophan and Cystine which are destroyed during acid hydrolysis) present in Casein.

INSTRUCTION FOR USE
Casein Acid Hydrolysate used as an ingredient in Mueller Hinton Agar.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Off white to creamish yellow colour, free flowing powder, having characteristic odour but not pungent smell.
Solubility (2% soln. at 25ºC)	:	Soluble in distilled Water, Clear. Insoluble in alcohol.
Clarity (2% Soln. at 121ºC)	:	Clear solution. No ppt.
pH (2% Soln. at 25ºC)	:	6.5 – 7.5
Loss on drying (at 105ºC)	:	NMT – 6.0%
Total Nitrogen (DWB)	:	NLT – 11.0%
α-Amino Nitrogen	:	NLT – 4.5%
Total Ash	:	NMT – 22.0%
Sodium Chloride (NaCl)	:	NMT – 20.0%
Heavy Metals (Pb)	:	NMT- 20ppm
Indole Test		Negative
Microbial test	:	Passes Test

INTERPRETATION
Cultural response observed after an incubation at 35-37ºC for 18-24 hours by preparing MacConkey Agar () using Gelatine Peptone as an ingredient.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth
Staphylococcus aureus	25923	50 - 100	Fair to good
Escherichia coli	25922	50 - 100	Good - Luxuriant
Pseudomonas aeruginosa	27853	50 - 100	Good - Luxuriant
Bacillus subtilis	6633	50 - 100	Fair to good
Salmonella typhi	6539	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

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.

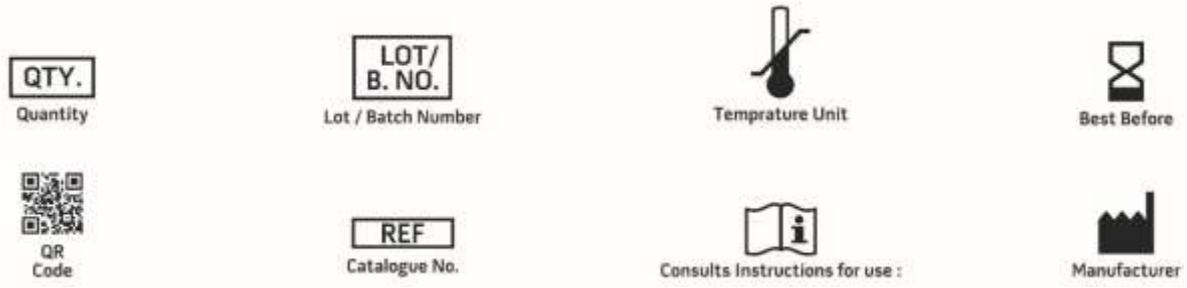
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

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**

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