

## CM 23982 -MEAT EXTRACT(STD) TBL POWDER (Culture MediaIngredient)

### INTENDED USE

A nutritious extract used as an ingredient in the preparation of culture media for cultivation of a wide variety of fastidious microorganisms.

### PRODUCT SUMMARY AND EXPLANATION

MeatExtract(STD)TBLPowderisderived frominfusion of meat and provides an undefined source of nutrients. it is not exposed to the harsh treatmentused for protein hydrolysis, so it can provide some of the nutrients lost during peptone and amino acids, nucleotide fractions, organicacids, minerals and some vitamins. manufacture. Meat Extract (STD)TBL Powderisa mixture of peptides

### PRINCIPLE

MeatExtract (STD) TBL Powderismanufactured from meat with low fat content and can be considered as complementing the nutritive properties of peptone by contributing minerals, phosphates, energy sources and those essential factors missing from peptone. Meat Extract (STD) TBL Powder powder is a source of amino acids, peptides and other nutrients.

### INSTRUCTION FOR USE

MeatExtract(STD) TBLPowder is frequently used at a concentration of 0.3 to 1.0% in culture media, although concentrations may varydepending on the nutritional requirements for the medium formulation.

### QUALITY CONTROL SPECIFICATIONS

Appearance	:	Creamish to white colour free flowing powder having characteristic odour but not pungent smell.
Solubility (2% soln. at 25°C)	:	Completely soluble in distilled water, clear.
Clarity (2% Soln. at 121°C)	:	Absolute 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 – 12.5%
α-Amino Nitrogen	:	NLT – 3.5%
Total Ash	:	NMT – 15.0%
Chloride (as NaCl)	:	NMT – 6.0%
Microbial parameters	:	Passes Test
Indole Test	:	Positive

### INTERPRETATION

CulturalCharacteristic observed in 2% Meat Extract (STD) TBL Powder and 1.5% agar after incubation at 35-37°C for 18-48 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
Clostridium perfringens	12924	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. 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.

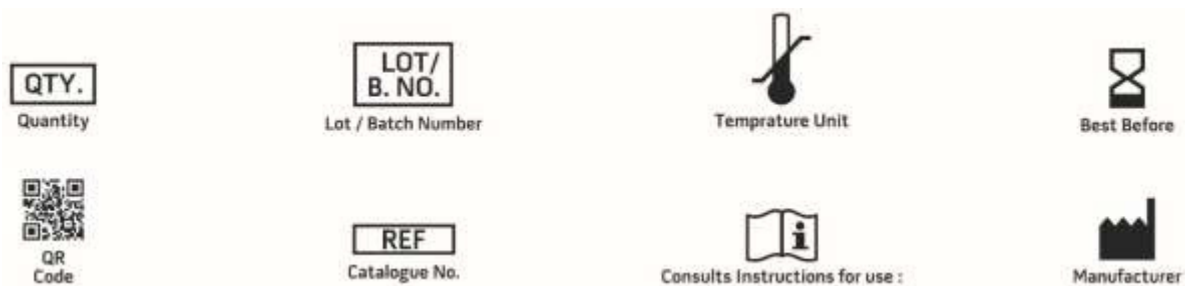
Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

#### DISPOSAL

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

#### REFERENCES

1. United States Pharmacopeial Convention. 2006. The United States pharmacopeia 29/The national formulary 24—2006. United States Pharmacopeial Convention, Inc., Rockville, Md.
2. Cote. 1999. Media composition, microbial, laboratory scale. In Flickinger and Drew (ed.), Encyclopedia of bioprocess technology: fermentation, biocatalysis, and bioseparation. John Wiley & Sons, Inc., New York.



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

\*ForLab Use Only

