

Meat Peptone No.1 (NCM0213)

Intended Use

Meat Peptone No.1 is an enzymatic digest of animal tissue used in preparing microbiological culture media in a laboratory setting. Meat Peptone No.1 is not intended for use in the diagnosis of disease or other conditions in humans.

Description

Meat Peptone No. 1 was developed as an alternate nitrogen and vitamin source in dehydrated culture media to accommodate varying nutritional requirements.

Precaution

Refer to SDS

Physical and Performance Characteristics

Chemistry

Dehydrated Appearance: Powder is homogeneous, free-flowing medium tan to medium brown.

Prepared Appearance (2% Solution): Prepared medium is clear amber, with no to light precipitate.

pH (2% Solution at 25° C): 6.5-7.5

Loss on Drying: ≤ 5%

Total Nitrogen: ≥ 10%

Ash: ≤ 15%

Undigested Protein: Negative to trace positive

Proteoses: Slightly positive or positive

Nitrites: Negative

Microbiology

Standard Plate Count: < 1000 CFU / g

Yeast and Mold: < 100 CFU /g

Salmonella: Negative / 25 g

Growth Supporting Properties on Peptone Agar (plain):

Microorganism	Response
<i>Escherichia coli</i>	Growth
<i>Staphylococcus aureus</i>	Growth

Technical Specification Sheet



Test Procedure

Refer to appropriate references for specific procedures using Enzymatic Digest of Animal Tissue.

Results

Refer to appropriate references for test results.

Expiration

Refer to expiration date stamped on the container. The product should be discarded if it is not free flowing, or if product has changed from the original color. Expiry applies to product in its intact container when stored as directed.

Storage

Store powder at 2-30°C away from direct sunlight. Once opened and recapped, place container in a low humidity environment at the same storage temperature. Protect from moisture and light by keeping container tightly closed.

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