Meat Extract Powder

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

Summary and Principle
Meat extract is manufactured 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 powder is a source of amino acids, peptides and other nutrients.

Storage and Stability
Store dehydrated medium below 30°C in tightly closed container. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.
Note: TSE/BSE certificate is available on request.

Directions
Refer to the final concentration in the formula of the medium being prepared.

Quality Control

Test	Specification
Appearance	Light yellow / yellowish brown coloured powder.
Solubility	Completely soluble in water.
Colour and Clarity of 1% w/v aqueous solution after autoclaving at 15 psi / 15 min	Light yellow coloured, clear solution.
pH after autoclaving	6.5 ± 1.5
Ash Content	Not More Than 12%
Loss on Drying (Moisture Content)	Not More Than 6%
α-amino Nitrogen Content	Not Less Than 2.5%
Total Nitrogen Content	Not Less Than 10%
Total microbial count	Less than 5000 cfu/g
E. coli	Absent
Salmonella	Absent
Pseudomonas aeruginosa	Absent
Staphylococcus aureus	Absent

Cultural Response
Cultural characteristics observed after an incubation of 18-24 hours at 30°C-35°C for bacteria and 2-5 days for fungi at 20°C-25°C

Organism (ATCC)	Growth
Staphylococcus aureus (6538)	Good
Escherichia coli (8739)	Good
Pseudomonas aeruginosa (9027)	Good
Streptococcus pyogenes (19615)	Good
Candida albicans (10231)	Good
Aspergillus brasiliensis (16404)	Good

Note: Growth for *Aspergillus brasiliensis* was observed after 72 hours at 20°C-25°C for quantitative test and the same is carried out for qualitative test and confirmed characteristic growth (White mycelial growth with black spores) after 4-5 days.

Reference

1. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
202130740500	Meat Extract Powder	500 g
202130742500	Meat Extract Powder	2.5 k
202130749925	Meat Extract Powder	25 k (Bag)
202130749825	Meat Extract Powder	25 k (Drum)