Peptone F RDM-P-27

Principle
Peptone F is protein from animal sources that have been hydrolyzed or broken down into amino acids and peptides by enzymatic process. It is a highly nutritious enzymatic digest of meat is used as an ingredient in culture media. It can be incorporated into a variety of liquid and solid culture media formulations for the cultivation of fastidious and non-fastidious microorganisms.

Use: Recommended to use as culture media ingredient in variety of media and in fermentation.

Quality Control
Physical parameters

Appearance	Light Beige colored homogeneous free flowing, hydroscopic powder
Solubility (2%)	Soluble in distilled water
Clarity	Light amber color clear solution.
pH	5.00 – 7.00
Loss on drying	NMT 6.00%

Chemical analysis

Total Nitrogen	NLT 12.00 %
Amino Nitrogen	NLT 3.00%
Residue on ignition	NMT 12.00%

Bacteriological testing: Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using peptone under test.
Test for pathogens:

Total Plate Count	NMT 10000 cfu per grams
Yeast & Molds	Absent per 10 grams
Escherichia coli	Absent per 10 grams
Salmonella	Absent per 10 grams
Staphylococcus aureus	Absent per 10 grams

Culture response: Cultural response observed after incubation at 35-37°C for 24 hours by using 2% meat peptone,0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4.

Escherichia coli (ATCC 8739)	Luxuriant growth
Salmonella typhimurium (ATCC 14028)	Luxuriant growth
Pseudomonas aeruginosa (ATCC 10145)	Luxuriant growth

Storage and Shelf Life: The product is highly hygroscopic; keep the container tightly closed at all times and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label.
Note: Sterilize media immediately after reconstitution.

Disposal: To avoid the contamination or propagation of any hazardous microbes used, unusable or modified preparation of this product must be disposed after autoclaving or incineration after completion of task.

Disclaimer

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