Chaitanya
Group Of Industries

ReadyMED®
Dehydrated Cell Culture Media

Technical Data Sheet

Pancreatic Digest of Gelatin RDM-P-11

Principle: Pancreatic digest of gelatin is a animal origin protein and extracted from collagen, which is the fibrous protein in bone, cartilage and connective tissue. It is a rich source of amino acids, nitrogen and contain adequate amount of vitamins and minerals to stimulate the growth of microorganisms. It is a high-quality source of proline content and little sulfur-containing amino-acids.

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	Pale yellow color clear solution without haziness at 2 % concentration
pH	5.50 – 7.00
Loss on drying	NMT 7.0%

Chemical analysis

Total Nitrogen	NLT 12.00 %
Amino Nitrogen	NLT 3.00 %
Residue on ignition	NMT 10.00 %

Bacteriological testing: Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using Pancreatic digest of casein under test.

Test for pathogens:

Total Plate Count	NMT 10000 CFU per gram.
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 2.00% pancreatic digest of gelatin, 0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4.

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

Storage and Shelf Life

Store below 30°C in tightly sealed jar or container. Use before expiry date on the label.

Expected performance when stored at optimum conditions and within expiry date.

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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