Chaitanya
Group Of Industries

ReadyMED®
Dehydrated Cell Culture Media

Technical Data Sheet

Pancreatic Digest of Soya RDM-P-12

Principle: Pancreatic digest of soya is soyabean origin protein and extracted from soyabean meal. It is a rich source of amino acids, nitrogen, carbohydrates and contain adequate amount of vitamins and minerals to stimulate the growth of microorganisms. Due to high concentration of carbohydrate its commonly used in media for cultivation of large variety of organisms, including fungi and yeast.

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 2.00 %
Residue on ignition	NMT 15.00 %

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% pancreatic digest of soya, 0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4.

Escherichia coli (ATCC 8739)	Luxurious growth
Saccharomyces cerevaceae (ATCC 10231)	Luxurious growth
Aspergillus brasilansis (ATCC 16404)	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.

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