Chaitanya
Group Of Industries

ReadyMED®
Dehydrated Cell Culture Media

Technical Data Sheet

Cas Amino Acid Technical Grade RDM-P-02

Principle: Cas amino acids, is complete hydrolyzed product of casein containing minute concentration of sodium chloride andiron. It is less refined product of cas amino acid purified. In media preparations is used as replacement of pure amino acids and small peptides. It has been utilized in diverse media compositions used for cultivation of lactobacillus and parasite (*Entamoebahistolytica*) and nematodes medium.

Use: Recommended to use as culture media ingredient in variety of media preparations used for production of enzymes, steroids, vaccines and other pharmaceutical, agricultural economical products.

Quality Control

Appearance	Off white colored homogeneous free flowing, powder
Solubility (2%)	Soluble in distilled water
Clarity	Pale yellow colored clear solution without hazinessat 2 % concentration
pH	6.00 – 7.50 at 25°C
Loss on drying	NMT 7.00% as estimated by AOAC method

Chemical analysis

Total Nitrogen	NLT 8.00%
Amino Nitrogen	NLT 4.00%
Residue on ignition	NMT 39.00%

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

Test for pathogens:

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

Culture response: Cultural response observed after incubation at 35-37°C for 24 hours by using 2% Cas amino acid,0.5% sodium chloride and 1.5% agar, vitamin mixture 0.001% in water, pH 7.2-7.4.

Escherichia coli (ATCC 25922)	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.

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