Mycopeptone RDM-P-08

Principle
Mycopeptones are proteins from animal and plant sources that have been hydrolyzed or broken down into amino acids and peptides. It provides a broad spectrum of amino acids required for mycelial growth and sporulation of fungi. It can be incorporated into a variety of liquid and solid culture media formulations for the cultivation of fastidious and non-fastidious microorganisms specially fungi, yeast and molds.

Use: It is recommended in culture media for isolation and diagnosis of pathogenic and nonpathogenic fungi and identification of saprophytic and dermatophytic fungi-yeasts and molds

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 without haziness at 2 % concentration
pH	6.00 – 7.50
Loss on drying	NMT 10.00%

Chemical analysis

Total Nitrogen	NLT 12.00 %
Amino Nitrogen	NLT 3.00 %
Residue on ignition	NMT 15.0 %

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% Mycological peptone and 1.5% agar in water, pH 5.4-5.8

*Saccharomyces cerevisiae (*ATCC 9736)	Luxurious growth
Aspergillus brasiliensis (ATCC 16404)	Luxurious 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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CHAITANYA AGRO BIOTECH PVT. LTD.

An ISO 11133:2014, ISO 13485:2016, ISO 9001:2015 CE , CIN NO.: U24210MH1995PTC095220S,

S. No. 120/2, Laxmi Nagar, Umbarnala Road, Malkapur-443101, Dist.: Buldana (M.S.) India. Customer Care +91- 8669083859

rdmsales@chaitanyagroupindia.com, mkt.cabt@chaitanyagroupindia.com, www.chaitanyagroupindia.com