



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, hygroscopic 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
<i>Escherichia coli</i>	Absent per 10 grams
<i>Salmonella</i>	Absent per 10 grams
<i>Staphylococcus aureus</i>	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

<i>Saccharomyces cerevisiae</i> (ATCC 9736)	Luxurious growth
<i>Aspergillus brasiliensis</i> (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.

Disclaimer

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