Chaitanya
Group Of Industries

ReadyMED®
Dehydrated Cell Culture Media

Technical Data Sheet

Yeast Peptone RDM-P-20

Principle: Yeast peptone is obtained by enzymatic hydrolysis of yeast protein from a selected strain of *Saccharomyces cerevisiae*. For production only microbial origin enzymes are used. The protease enzymes lyse the cell wall of yeast and the entire cell content oozes out of the cell and solubilize in surrounding medium. The yeast peptone is rich in small peptides, balanced proteins, amino acids, vitamins, trace elements etc. The extraction and purification process is controlled to give light color and clear aqueous solution.

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	A fine, free flowing, hygroscopic powder.
Color	Light yellow colored powder.
Solubility (2%)	Clearly Soluble in Distilled / de-ionized water.
Color (2%)	Pale yellow colored solution.
pH (2%)	5.00 -7.00 @ 25°C.
Loss on Drying	NMT 7.0 % at 25°C as estimated by AOAC method.

Chemical analysis

Total Nitrogen	NLT 10.0% by KJEDAHL'S Method.	
Amino Nitrogen	NLT 4.00%	
Ash content	NMT 12.0% as estimated by AOAC method.	

Bacteriological testing: Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using yeast extract 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.	

Microbial count As per method specified in USP 32, NF26 <=Total of 50 microorganisms or clumps in 10 consecutive fields.

Culture response: Cultural response observed after incubation at 35-37°C for 18-24 hours by preparing Plate Count Agar using Yeast extract powder as an ingredient.

Escherichia coli (ATCC 8739)	Luxurious growth
Saccharomyces cerevaceae (ATCC 9736)	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.

CHAITANYA AGRO BIOTECH PVT. LTD. An ISO 11134:2014, 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