Chaitanya Group Of Industries

ReadyMED®
Dehydrated Cell Culture Media

Technical Data Sheet

Veg Peptone RDM-P-19

Principle

Veg peptone is manufactured under controlled conditions from vegetable proteins. It is especially adapted for the preparation of media for culturing fastidious bacteria and supports cultural characteristics comparable with special peptone.

Use: It is recommended in culture media for culturing fastidious bacteria and supports cultural characteristics comparable with special peptone.

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	5.00 – 7.50
Loss on drying	NMT 7.00% as estimated by AOAC method

Chemical analysis

Total Nitrogen	NLT 12.00 %
Alpha Nitrogen	NLT 2.0%
Residue on ignition	NMT 10.00 %

Bacteriological testing Bacteriological tests are carried out as per USP 32, NF26 where respective medium is prepared by using universal peptone 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 2.00% veg peptone,0.5% sodium chloride and 1.5% agar in water, pH 7.2-7.4.

Escherichia coli (ATCC 8739)	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.

Disclaimer

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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