Chaitanya Group Of Industries

ReadyMED®
Dehydrated Cell Culture Media

Technical Data Sheet

Sucrose RDM-S-03

Principle: Sucrose is common sugar. It is a disaccharide, a molecule composed of two monosaccharides: glucose and fructose. Sucrose is produced naturally in plants, from which table sugar is refined. Sucrose is utilized as a nutrient in many bacteriological media. The microorganisms have capability to ferment sucroseto produce energy, acids and gas. The bacteria synthesize β-D-fructofuranosidases capable of splitting raffinose to melibiose and fructose.

Use: Recommended for media ingredient of basic, selective or differential media and used as carbohydrate source in biochemical characterization of microorganismsetc.

Quality Control

Appearance	White colored, crystals or powder or powder free flowing with dry lumps
Solubility (2%)	Soluble in distilled water
Clarity	No visual colorsolution
Loss on drying	NMT 2.00 %
Residue on ignition	NMT 2.00 %

Bacteriological testing Bacteriological tests are carried out as per USP 32,NF26 where respective medium is prepared by using dextrose 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: The carbohydrate fermentation reactions after an incubation of 18-48 hours at 35-37°C, of various bacteria with Dextrose.

Organism	Growth	Acid production	Gas production
Saccaromycescerevesiae(ATCC9736)	Luxurious growth	Yellow color positive reaction	Positive

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 +91-8669083859rdmsales@chaitanyagroupindia.com,mkt.cabt@chaitanyagroupindia.com, www.chaitanyagroupindia.com