

DEHYDRATED CULTURE MEDIA

BRIEF DESCRIPTION

TYPES OF MEDIA :

There are different types of media which are routinely used depending upon the applications and composition. The broad classification includes :-

- (a) **BASAL MEDIA** : These are used for growth of bacteria and do not need enrichment of the media. The most widely used Basal Media are Nutrient Agar, Nutrient Broth, Peptone Water etc.
- (b) **ENRICHED MEDIA** : These media upon addition of growth promoting substances such as Blood, Serum, Growth factors serve as Enriched mediums. Some commonly used media are Blood Agar, Soya Bean Casein Digest Medium and Lowenstein - Jensen etc.
- (c) **SELECTIVE MEDIA** : These media inhibit the growth of undesired bacteria and favour the growth of a particular desirable bacteria. The selectivity is obtained with the use of an antibiotic, dye or a chemical agent e.g.. Mac Conkey Agar with Bile Salts and Crystal Violet is used to facilitate the growth of gram negative bacteria and inhibit gram positive bacteria.
- (d) **INDICATOR MEDIA** : These media include certain substances such as indicators, which show visible changes depending upon the metabolic activity of a particular organism. The commonly used indicator media include Salmonella Shigella Agar.
- (e) **DIFFERENTIAL MEDIA** : These media are used to distinguish a particular type of colony from others growing in the same plate. These media contain chemical ingredients which help in identification of a particular species from a mixed culture. Triple Sugar Iron Agar, Eosin Methylene Blue Agar are examples of differential media.
- (f) **TRANSPORT MEDIA** : This category of media includes Stuart Transport Medium, Cary-Blair Medium, Amies Medium which are generally used for the transportation of the specimen, which cannot be cultured immediately upon collection.

COMMON PROBLEMS FACED WHILE USING DEHYDRATED CULTURE MEDIA

FORMATION OF LUMPS	Container was not tightly closed High humidity conditions
VARIATION IN pH	Contamination of glassware; poor quality of water used Overheating of medium, Hydrolysis of ingredients
INCOMPLETE SOLUBILITY	Inadequate use of water to dissolve the medium Use of small containers to dissolve the medium
SOFT GELLING	Agar not in solution ; Acid hydrolysis of agar Incomplete reconstitution of dehydrated medium
LOSS OF GROWTH	Excessive heating and repeated remelting Incomplete mixing ; use of the medium past its shelf life
ABNORMAL COLOUR	Excessive heating and repeated remelting Improperly washed glassware and incorrect pH
TURBIDITY/PRECIPIATION	Use of contaminated water or glassware Insufficient sterilization ; overheating ; loss of water due to evaporation

GENERAL INSTRUCTIONS TO THE USERS

The Dehydrated Media are highly hygroscopic and get deteriorated easily unless stored in a cool & dry place away from bright light so care must be taken in the storage of dehydrated media.

Following instructions should be followed while using dehydrated culture media.

1. Read carefully the instructions given on the label.
2. Note the batch no. and date before opening the container.
3. Before use confirm that the media is not deteriorated physically.
4. Since the media is hygroscopic in nature, please ensure that the container is tightly closed and stored in cool and dry place after use.

DISSOLVING THE MEDIA

For dissolution use clean undamaged glassware two-three times larger in volume than the final volume of media to be prepared. Water which meets the U.S.P. / I.P. specifications should only be used.

Place accurately weighed amount of the medium in a clean dry flask. Add part of water and swirl until dissolved then add the remaining water through the sides of the flask to make up the required volume. For complete dissolution heat the media taking care to avoid overheating or scorching.

ADJUSTMENT OF pH

After preparation the pH of the media should be in accordance with value mentioned on the label at 25°C. If required, the pH can be adjusted to the value by adding 1N or 0.1N HCl or NaOH solution.

STERILIZATION

Sterilization of the media is usually carried out at 121°C for 15 minutes using an autoclave. Autoclave efficiency should be checked from time to time.

POURING OF STERILIZED MEDIA

After sterilization Agar media should be poured into petridishes at 45-50°C. The medium should be mixed well avoiding bubble formation. Agar surface should be dried at 30-40°C in the incubator before inoculation to avoid microbial swarming.

STORAGE OF PREPARED MEDIA

Unless the medium is not used in the same day it is prepared, then it should be kept in moisture proof containers. Agar containing media should not be stored at higher temperatures. Agar plates should be stored at 2-8°C in sealed moisture proof containers. Stability of the prepared culture media is limited and varies considerably. Never store media below 0°C as it destroys its gel strength.

DISPOSAL OF MEDIA

All specimens and cultures should be carefully handled and must not be disposed without autoclaving. Cultures in vessels should be autoclaved for approximately 30 minutes at 121°C before disposal.

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0241	A-1 Medium for determining the presence of faecal Coliforms in water samples and foods by MPN technique.	31.50	500 GM
CM0242	AC Agar for cultivation of a wide variety of microorganisms particularly for sterility testing.	35.20	500 GM
CM0243	AC Broth for cultivation of common aerobes and sterility testing of solutions and biological products without mercurial preservatives.	34.20	500 GM
CM0244	APT Agar for cultivation of heterofermentative Lactobacilli and other organisms requiring a high thiamine content.	61.20	500 GM
CM0246	Alkaline Peptone Water for enrichment of Vibrio species.	20.00	500 GM
CM0247	Alternative Thioglycollate Medium (NIH Thioglycollate Broth) for sterility testing of turbid or viscous biological products.	29.00	500 GM
CM0248	Amies Transport Medium w/ Charcoal for transportation and preservation of microbiological specimens.	19.75	500 GM
CM0249	Anaerobic Agar a general purpose medium for the cultivation of anaerobic bacteria, especially <i>Clostridium</i> species.	58.00	500 GM
CM0250	Andrade Peptone Water a basal medium, where carbohydrate addition is used to study fermentation reactions.	15.10	500 GM
CM0122	Antibiotic Assay Medium No. 1 (Seed Agar) for microbiological assay of β -lactam and other antibiotics.	30.50	500 GM
CM0123	Antibiotic Assay Medium No. 2 (Base Agar) for microbiological assay of antibiotics.	25.50	500 GM
CM0251	Antibiotic Assay Medium No. 3 (Assay Broth) for microbiological assay of antibiotics.	17.50	500 GM
CM0252	Antibiotic Assay Medium No. 4 (Yeast Beef Agar) for detection of Penicillin in milk samples using <i>Bacillus stearothermophilus</i> .	26.50	500 GM
CM0253	Antibiotic Assay Medium No. 5 (Streptomycin Assay Agar w/ Yeast Extract) for microbiological assay of Streptomycin using <i>Bacillus subtilis</i> .	25.50	500 GM
CM0254	Antibiotic Assay Medium No. 6 for induction of spore production in <i>Bacillus subtilis</i> strains used in antibiotic assay.	30.00	500 GM
CM0255	Antibiotic Assay Medium No. 8 (Base Agar w/ low pH) for microbiological assay of Oxytetracycline, Tetracycline and Vancomycin.	25.50	500 GM
CM0256	Antibiotic Assay Medium No. 9 (Polymyxin Base Agar) as a base layer medium for assaying the products containing Polymyxin-B.	50.00	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0257	Antibiotic Assay Medium No. 10 (Polymyxin Seed Agar) as a seed layer medium for assaying the products containing Polymyxin-B, also for assaying Carbenicillin, Colistin and Colismethate sodium.	42.00	500 GM
CM0258	Antibiotic Assay Medium No. 11 (Neomycin, Erythromycin Assay Agar) for microbiological assay of antibiotics.	30.50	500 GM
CM0259	Antibiotic Assay Medium No. 12 (Nystatin Assay Agar) for microbiological assay of Amphotericin B and Nystatin using <i>Saccharomyces cerevisiae</i> .	62.50	500 GM
CM0260	Antibiotic Assay Medium No. 13 (Nystatin Assay Broth) for microbiological assay of Candicidin using <i>Saccharomyces cerevisiae</i> .	30.00	500 GM
CM0261	Antibiotic Assay Medium No. 19 (Antibiotic Assay Medium - G) for microbiological assay of Amphotericin B, Netamycin and Nystatin using <i>Saccharomyces cerevisiae</i> .	60.00	500 GM
CM0262	Antibiotic Assay Medium No. 20 (Yeast Beef Broth) for microbiological assay of Amphotericin B using <i>Candida tropicalis</i> .	42.50	500 GM
CM0901	Arginine Dihydrolase Broth for detection of arginine dihydrolase producing microorganisms.	19.31	500 GM
CM0902	Ashby's Glucose Agar for cultivation of <i>Azotobacter</i> species from soil that can use Glucose and atmospheric nitrogen as source of carbon and nitrogen respectively.	40.70	500 GM
CM0903	Ashby's Mannitol Agar for isolation of <i>Azotobacter</i> species from soil that can use Mannitol and atmospheric nitrogen as source of carbon and nitrogen respectively.	40.70	500 GM
CM0263	Asparagine Broth for preparation of the <i>Coccidioidin</i> and <i>Histoplasmin</i> antigens for immunodiagnostic work.	28.00	500 GM
CM0264	Azide Blood Agar Base for the selective isolation and cultivation of <i>Staphylococcus</i> and <i>Streptococcus</i> species from mixed bacterial flora.	33.20	500 GM
CM0129	Azide Dextrose Broth a selective medium for detection of Streptococci in water, sewage, food and other materials suspected of sewage contamination.	34.70	500 GM
CM0265	B.T.B. Lactose Agar for isolation of pathogenic Staphylococci.	33.17	500 GM
CM0266	B.T.B. Lactose Agar, Modified for differentiating lactose positive colonies from lactose-negative colonies especially entero bacteria	40.50	500 GM
CM0267	B.C.G. - Dextrose Agar (Snyder Test Agar) for estimation of <i>Lactobacilli</i> , an indication of caries activity.	65.02	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0268	BPL Agar for isolation and identification of <i>Salmonellae</i> except <i>Salmonella typhi</i> in faeces, urine, milk and other materials.	40.04	500 GM
CM0130	Baird Parker Agar Base for isolation and enumeration of coagulase positive <i>Staphylococci</i> from food and other materials.	63.00	500 GM
CM0269	Beef Extract Agar for routine cultivation of not particularly fastidious bacteria.	33.00	500 GM
CM0904	Beef Extract Broth for routine cultivation of non fastidious bacteria.	18.00	500 GM
CM0271	Bile Broth Base for cultivation of members of the <i>Enterobacteriaceae</i> .	30.00	500 GM
CM0131	Bile Esculin Agar for differential isolation and presumptive identification of group D <i>Streptococci</i> in food and pharmaceutical products.	64.50	500 GM
CM0272	Bile Esculin Agar Base for differential isolation and presumptive identification of group D <i>Streptococci</i> in food and pharmaceutical products.	63.50	500 GM
CM0273	Bile Esculin Azide Agar for selective isolation and presumptive identification of faecal <i>Streptococci</i> .	56.65	500 GM
CM0132	Bismuth Sulphite Agar for selective isolation of <i>Salmonellae</i> from faeces, urine, sewage and other materials.	52.33	500 GM
CM0133	Blood Agar Base (Infusion Agar) for isolation and cultivation of many fastidious pathogenic microorganisms after addition of blood.	40.00	500 GM
CM0275	Brain Heart Infusion Agar for cultivation of fastidious pathogenic bacteria, yeast and moulds.	52.00	500 GM
CM0276	Brain Heart Infusion Broth for propagation of pathogenic cocci and other fastidious organisms associated with blood culture work and allied pathological investigations	37.00	500 GM
CM0277	Brewer Thioglycollate Medium for testing sterility of biological products and for the isolation of aerobic and anaerobic organisms.	40.50	500 GM
CM0134	Brilliant Green Agar, Modified for selective isolation of <i>Salmonellae</i> other than <i>Salmonella typhi</i> from faeces, foods, dairy products etc.	58.09	500 GM
CM0279	Brilliant Green Bile Agar for enumeration of Coliform bacteria in water, sewage and foods.	20.70	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0280	Brilliant Green Bile Broth 2% for detection and confirmation of Coliform bacteria in water, waste water, foods, milk and dairy products.	40.00	500 GM
CM0176	Bromo Cresol Purple Azide Broth for the confirmation of the presence of faecal <i>Streptococci</i> in water and waste water.	35.93	500 GM
CM0502	Bromo Cresol Purple Broth Base for studying fermentation of carbohydrates by pure cultures.	18.04	500 GM
CM0281	Buffered Peptone Water for pre-enrichment of injured <i>Salmonella</i> species from foods prior to selective enrichment and isolation.	20.00	500 GM
CM0282	Bushnell Haas Agar for examination of fuels for microbial contamination and for studying hydrocarbon deterioration by microorganisms.	23.27	500 GM
CM0278	CHO Medium Base is a basal medium to which carbohydrates may be added for use in fermentation studies of anaerobic bacteria.	26.11	500 GM
CM0503	C.L.E.D. Agar w/ Andrade Indicator for isolation and differentiation of urinary pathogens on the basis of lactose fermentation.	36.25	500 GM
CM0504	C.L.E.D. Agar Base w/o indicator for isolation, enumeration and presumptive identification of bacterial flora in urinary tract.	36.12	500 GM
CM0505	C.L.E.D. Agar w/ Bromo Thymol Blue for isolation and differentiation of urinary pathogens on the basis of lactose fermentation.	36.15	500 GM
CM0506	Cary - Blair Medium Base (Transport Medium w/o Charcoal) for collection and shipment of clinical specimens.	12.60	500 GM
CM0136	Cetrimide Agar Base for selective isolation fo <i>Pseudomonas aeruginosa</i> from clinical specimen.	46.70	500 GM
CM0284	Cetrimide Broth for selective cultivation of <i>Pseudomonas aeruginosa</i> .	25.30	500 GM
CM0285	Chapman Stone Agar for selective isolation of <i>Staphylococci</i> causing food poisoning.	202.50	500 GM
CM0286	Charcoal Blood Agar Base for cultivation of <i>Bordetella pertussis</i> , for vaccine production and also for the maintenance of stock cultures.	54.50	500 GM
CM0287	Chocolate Agar Base for isolation of <i>Neisseria gonorrhoeae</i> from chronic and acute cases of gonococcal infections.	45.50	500 GM
CM0289	Christensen Citrate Agar for differentiation of enteric pathogens and Coliforms based on citrate utilization.	24.80	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0291	Chu's Medium No. 10 for culturing blue green algae.	0.123	500 GM
CM0906	Citrate Agar for cultivation of iron bacteria from soil samples	27.20	500 GM
CM0292	Coliform PA Broth for determination of presence or absence of Coliform bacteria in examination of pollution in treated water from water treatment plants & Distribution systems.	92.40	500 GM
CM0907	Coliform Broth for isolation and cultivation of Coliform organisms from cream, yogurt and raw milk.	57.14	500 GM
CM0908	Cooked Meat Medium (R.C. Medium) for cultivation of aerobes and anaerobes, especially pathogenic <i>Clostridia</i> and also for maintenance of stock cultures.	125.00	500 GM
CM0293	Crystal Violet Lactose Agar for differentiation of pure cultures of pathogenic and non pathogenic <i>Staphylococci</i> .	33.00	500 GM
CM0294	Cystine Tryptone Agar for maintenance, subculturing, detection of motility and fermentation studies with the addition of various carbohydrates.	28.50	500 GM
CM0181	Czapek Dox Agar a semi synthetic medium for general cultivation of fungi.	49.01	500 GM
CM0295	Czapek Dox Agar, Modified for cultivation and maintenance of fungi.	45.36	500 GM
CM0296	Czapek Dox Broth a semi synthetic medium used for cultivation of fungi.	34.01	500 GM
CM0290	DNase Test Agar Base for detection of deoxyribonuclease activity of bacteria and fungi, and especially for identification of pathogenic <i>Staphylococci</i> .	42.00	100 GM
CM0288	DNase Test Agar w/ Methyl green for detection of deoxyribonuclease activity of bacteria and fungi, and especially for identification of pathogenic <i>Staphylococci</i> .	42.05	100 GM
CM0507	DNase Test Agar w/ Toluidine Blue for detection of deoxyribonuclease activity of microorganisms.	42.10	100 GM
CM0302	DNase Test Agar Base w/o DNA with the addition of DNA it is used for dection of deoxyribonuclease activity of bacteria and fungi.	40.00	100 GM
CM0138	D.C.L.S. Agar a selective medium used to detect and isolate <i>Salmonella</i> and <i>Shigella</i> species. Also useful for isolation of <i>Vibrio cholerae</i> .	49.53	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0909	Decarboxylase Agar Base for differentiation of bacteria on the basis of their ability to decarboxylate the amino acid added to the medium .	24.02	500 GM
CM0910	Decarboxylase Broth Base, Moeller with the addition of appropriate L-amino acid, It is used to differentiate bacteria on the basis of their ability to decarboxylate the amino acid.	10.52	500 GM
CM0300	Deoxycholate Agar for direct differential count of Coliforms in dairy products and for isolation of enteric pathogens from rectal swabs, faeces and other pathological specimens.	45.00	500 GM
CM0137	Deoxycholate Citrate Agar selective medium for the isolation of enteric pathogens particularly <i>Salmonella</i> and <i>Shigella</i> species.	70.52	500 GM
CM0301	Dextrose Agar for cultivation of a wide variety of microorganisms.	43.00	500 GM
CM0299	Dextrose Broth for antibiotic sensitivity testing using tube dilution method.	23.00	500 GM
CM0911	Dextrose Mannitol Agar (Gillies Agar No. 1) for detection of Urease production, Dextrose and Mannitol fermentation for primary isolation of <i>Salmonella</i> and <i>Shigella</i> species.	46.05	500 GM
CM0912	Dextrose Peptone Agar for general cultivation of organisms.	50.00	500 GM
CM0913	Dextrose Peptone Broth for the cultivation of fastidious organisms, enumeration of thermophilic bacteria from canned foods and for routine sterility testing.	35.00	500 GM
CM0376	Dextrose Salt Agar enumeration of yeasts and moulds in dairy products.	35.00	500 GM
CM0304	Dextrose Salt Broth enumeration of yeasts and moulds in dairy products.	20.00	500 GM
CM0914	Dextrose Starch Agar for propagation of pure cultures of <i>Neisseria gonorrhoeae</i> and other fastidious organisms.	65.00	500 GM
CM0306	Dextrose Tryptone Agar for detection and enumeration of mesophilic and thermophilic aerobic organisms in foods.	30.04	500 GM
CM0308	Dextrose Tryptone Broth for enrichment and cultivation fo mesophilic and thermophilic organisms in foods.	15.04	500 GM
CM0309	Dulcitol Selenite Broth (Selenite-F Broth w/ Dulcitol) for selective enrichment of <i>Salmonella</i> species.	23.00	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0182	EC Broth for selective enumeration of faecal and non-faecal Coliforms in water, waste water and shell fish.	37.00	500 GM
CM0139	EMB Agar for differential isolation of gram-negative enteric bacilli from clinical and non clinical specimens.	35.96	500 GM
CM0125	EMB Agar, Levine for isolation, enumeration and differentiation of members of <i>Enterobacteriaceae</i> .	37.46	500 GM
CM0188	EMB Broth for differentiation of gram-negative enteric bacteria.	22.46	500 GM
CM0310	Eijkman Lactose Broth for detection and differentiation of <i>Escherichia coli</i> from other Coliforms on the basis of their ability to grow and liberate gas from lactose.	28.50	500 GM
CM0307	Elliker Broth (Lactobacilli Broth) for cultivation of <i>Lactobacilli</i> and <i>Streptococci</i> of importance in dairy industry.	48.50	500 GM
CM0140	Endo Agar for the confirmation of the presumptive test for members of the Coliform group.	41.50	500 GM
CM0305	Endo Agar Base for preparing Endo Agar to confirm presumptive test for lactose fermenting Coliforms	38.00	500 GM
CM0915	Enterococcus Confirmatory Agar for confirming the presence of <i>Enterococci</i> in water supplies and other sources.	30.41	500 GM
CM0916	Enterococcus Confirmatory Broth for confirming the presence of <i>Enterococci</i> in water supplies and other sources.	80.41	500 GM
CM0303	Esculin Agar for cultivation and differentiation of bacteria that can hydrolyze esculin and produce H ₂ S.	41.50	500 GM
CM0313	Esculin Iron Agar for verifying enterococcal colonies on membrane filters through which water samples have been filtered and which have been incubated on M-Enterococcus Agar, Modified.	16.50	500 GM
CM0917	Fluid Lactose Medium as a pre-enrichment medium for detection of Coliform bacteria in water, dairy products and food samples.	13.00	500 GM
CM0315	Fluid Thioglycollate Medium for sterility testing of biologicals and for cultivation of aerobes, anaerobes and microaerophiles.	29.75	500 GM
CM0316	Fluid Thioglycollate Medium w/ Beef Extract for cultivation of anaerobic, microaerophilic and aerobic micro organisms and for sterility testing.	34.75	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0918	GC Agar Base with added blood or hemoglobin and other supplements it is recommended for selective isolation and cultivation of <i>Gonococci</i> .	72.00	500 GM
CM0318	Gelatin Agar for cultivation and identification of <i>Vibrio</i> species.	65.00	500 GM
CM0320	Gelatin Phosphate Salt Agar (GPS Agar) for cultivation and characterization of <i>Vibrio cholerae</i> from food.	40.00	500 GM
CM0319	Gelatin Salt Agar for cultivation and differentiation of <i>Vibrio</i> species from foods.	65.00	500 GM
CM0184	Giolitti-Cantoni Broth Base for selective <i>enrichment</i> of <i>Staphylococcus aureus</i> from suspected food stuffs. *Potassium Tellurite 3.5% (10 ml per vial)	54.20 Δ	500 GM 5 Vials.
CM0919	Glucose Agar for determining the fermentation reaction of presumptive <i>Enterobacteriaceae</i> .	41.51	500 GM
CM0186	Glucose Broth for study of dextrose fermentation where pH indicator is not desired.	20.00	500 GM
CM0314	Glucose Peptone Agar highly nutritious medium that can support growth of fastidious microorganism.	50.00	500 GM
CM0312	Glucose Phosphate Broth (MR-VP Medium)	17.00	500 GM
CM0920	Glucose Starch Agar for detection of <i>Clostridium perfringens</i> with addition of Salicin, Raffinose and Phenol red.	68.00	500 GM
CM0323	Glucose Yeast Extract Agar for cultivation of <i>Lactobacilli</i> in pharmaceutical preparations.	28.32	500 GM
CM0326	Glucose Yeast Peptone Agar for isolation of yeast from soil specimens.	50.00	500 GM
CM0187	Hektoen Enteric Agar for differential and selective isolation of <i>Salmonella</i> and <i>Shigella</i> species from enteric pathological specimens.	76.67	500 GM
CM0921	Hugh Leifson Medium for detecting aerobic and anaerobic breakdown of glucose.	19.35	500 GM
CM0508	Indole Nitrate Medium (Tryptone Nitrate Medium) for identification of microorganisms by means of nitrate reduction and indole production.	25.00	500 GM
CM0327	ISP Medium No. 1 (Tryptone Yeast Extract Broth) a general purpose enrichment medium for not particularly fastidious microorganisms.	8.00	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0325	ISP Medium No. 2 (Yeast Malt Agar) for the isolation and cultivation of yeasts, moulds and other aciduric microorganisms.	41.00	500 GM
CM0922	ISP Medium No. 3 for cultivation and characterization of <i>Streptomyces</i> species as per international Streptomyces project.	38.00	500 GM
CM0923	ISP Medium No. 4 (Inorganic Salt Starch Agar) for cultivation and characterization of <i>Streptomyces</i> species as per international Streptomyces project.	36.50	500 GM
CM0924	ISP Medium No. 5 (Glycerol Asparagine Agar Base) for cultivation of <i>Streptomyces</i> species as per international Streptomyces project.	23.00	500 GM
CM0925	ISP Medium No. 6 (Peptone Yeast Extract Iron Agar) for use as per international Streptomyces project.	37.58	500 GM
CM0926	ISP Medium No. 7 (Tyrosine Agar) for isolation and characterization of <i>Streptomyces</i> species as per international Streptomyces project.	23.00	500 GM
CM0190	Kliger Iron Agar for differential identification of gram-negative enteric bacilli on the basis of the fermentation of dextrose, lactose and H ₂ S production.	57.50	500 GM
CM0927	King's Medium A Base for the non selective isolation, cultivation and pigment production of <i>Pseudomonas</i> species.	46.64	500 GM
CM0928	King's Medium B Base for the non selective isolation, cultivation and pigment production of <i>Pseudomonas</i> species.	42.23	500 GM
CM0929	King's OF Medium Base for studying oxidation-fermentation of carbohydrates by <i>Campylobacter</i> species.	0.50	500 GM
CM0509	Koser Citrate Medium to differentiate <i>Escherichia coli</i> and <i>Enterobacter aerogenes</i> on the basis of citrate utilization.	5.70	500 GM
CM0142	Lactose Broth for the detection of Coliform bacteria in water, foods, dairy products as per Standard Methods.	13.00	500 GM
CM0930	Lactobacillus MRS Agar (MRS Agar) for isolation and cultivation of <i>Lactobacilli</i> .	67.15	500 GM
CM0931	Lactobacillus MRS Broth (MRS Broth) for cultivation of all <i>Lactobacilli</i> .	55.15	500 GM
CM0328	Lactose Peptone Broth for detection of Coliform organisms in water	35.02	500 GM
CM0191	Lauryl Sulphate Broth (Lauryl Tryptose Broth) for detection and enumeration of Coliform bacteria in water, waste water, dairy products and foods samples.	35.60	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0932	Leifson Agar for isolation of <i>Salmonella</i> and <i>Shigella</i> species.	47.42	500 GM
CM0933	Lowenstein Jensen Medium Base (L.J. Medium) for isolation and cultivation of <i>Mycobacterium</i> species.	37.24 (per 600 ml)	500 GM
CM0321	Luria Agar for routine cultivation and estimation of not particularly fastidious microorganisms.	35.00	500 GM
CM0322	Luria Bertani Agar, Miller for cultivation and maintenance of recombinant strains of <i>Escherichia coli</i> for genetic and molecular studies, may be used for routine isolation and cultivation of not particularly fastidious microorganisms.	40.00	500 GM
CM0510	Luria Bertani Broth, Miller for cultivation and maintenance of recombinant strains of <i>Escherichia coli</i> and may be used for routine cultivation of not particularly fastidious microorganisms.	25.00	500 GM
CM0511	Luria Broth for routine cultivation of not particularly fastidious organisms.	20.00	500 GM
CM0196	Lysine Iron Agar for differentiation of enteric organisms especially <i>Salmonella</i> and <i>Arizona</i> species bases on their ability to decarboxylate or deaminate lysine and to form hydrogen sulphide.	34.56	500 GM
CM0143	M-FC Agar Base for detection and enumeration of faecal Coliforms using membrane filter technique at higher temperature (44.5°) *Rosolic Acid (0.1 gm/vl)	52.10 Δ	500 GM 5 Vials
CM0934	M-FC Agar Base, Modified for detection and enumeration of <i>Klebsiella</i> in water by using membrane filter technique.	49.60	500 GM
CM0935	M-FC Broth Base for detection and enumeration of fecal Coliforms by membrane filter technique at higher temperature (44.5°C).	37.10	500 GM
CM0330	Mac Conkey Agar w/o CV, NaCl w/ 0.5% Sodium Taurocholate for cultivation and differentiation of enteric bacteria, restricting swarming of <i>Proteus</i> species from specimens such as urine which may contain large number of <i>Proteus</i> species as well as potentially pathogenic gram-positive organisms.	55.00	500 GM
CM0329	Mac Coneky Agar w/o CV, NaCl w/ 0.5% Bile Salts for cultivation and differentiation of enteric bacteria, restricting swarming of <i>Proteus</i> species from specimens such as urine which may contain large number of <i>Proteus</i> species as well as potentially pathogenic gram-positive organisms.	47.00	500 GM
CM0512	Mac Coneky Agar w/ 0.15% Bile Salts, CV and NaCl for selective isolation and differentiation of Coliform organisms and enteric pathogens.	51.50	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0513	Mac Conkey Agar w/ CV, NaCl and 0.15% Bile Salts to identify <i>Enterobacteriaceae</i> in the presence of Coliforms and lactose non fermenting from water, sewage, food products etc.	51.55	500 GM
CM0514	Mac Conkey Agar w/o CV, w/ 1.2% Agar for isolation and differentiation of lactose fermenting and lactose non fermenting enteric bacteria.	48.53	500 GM
CM0515	Mac Conkey Agar w/ Bromo Thymol Blue for detection of lactose fermenting enteric bacteria.	51.53	500 GM
CM0144	Mac Conkey Broth w/ Neutral Red for selective enrichment and enumeration of Coliforms.	40.07	500 GM
CM0936	Mac Conkey Agar w/o CV, w/ 0.5% Bile Salts for isolation and differentiation of lactose fermenting and lactose non fermenting enteric bacteria.	52.00	500 GM
CM0937	Mac Conkey Broth for the presumptive identification of Coliforms from a variety of specimens such as water, milk and foods.	34.50	500 GM
CM0332	Mac Conkey Broth (Double Strength) w/ Neutral Red for primary isolation of Coliforms from large samples such as water or waste water.	80.15	500 GM
CM0333	Mac Conkey Broth Purple w/ Bromo Cresol Purple for presumptive identification of Coliforms from variety of specimens such as water, milk and food etc.	40.00	500 GM
CM0334	Mac Conkey Broth Purple (Double Strength) w/ Bromo Cresol Purple for presumptive identification of Coliforms from large samples.	80.00	500 GM
CM0336	Malachite Green Broth for selective enrichment of <i>Pseudomonas aeruginosa</i> .	25.13	500 GM
CM0200	Malonate Broth for differentiation of <i>Enterobacter</i> and <i>Escherichia</i> on the basis of Malonate utilization.	8.02	500 GM
CM0516	Malonate Broth Ewing's Modified for differentiation of members of <i>Enterobacteriaceae</i> on the basis of Malonate utilization.	9.27	500 GM
CM0331	Malt Agar for detection and isolation of yeasts and moulds from dairy products, foods and other materials also for carrying stock cultures of yeasts and moulds.	45.00	500 GM
CM0517	Malt Extract Agar Base for isolation and cultivation of yeasts and moulds.	31.28	500 GM
CM0518	Malt Extract Broth Base for detection and enumeration of yeasts, moulds and aciduric microorganisms. *10% Lactic Acid Solution (10 ml per vial)	20.00	500 GM

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5 Vials

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0195	Mannitol Salt Agar for selective isolation and identification of <i>Staphylococcus aureus</i> .	111.02	500 GM
CM0339	Mannitol Salt Broth for selective isolation of presumptive pathogenic <i>Staphylococci</i> .	96.02	500 GM
CM0938	Marine Agar 2216 (Zobell Marine Agar) for isolation and enumeration of heterotrophic marine bacteria.	55.25	500 GM
CM0939	Marine Broth 2216 (Zobell Marine Broth) for cultivation of heterotrophic marine bacteria.	40.25	500 GM
CM0340	Minimal Agar for isolation and characterization of nutritional mutants of <i>Escherichia coli</i> .	26.60	500 GM
CM0341	Minimal Broth, Davis for isolation and characterization of nutritional mutants of <i>Escherichia coli</i> .	11.60	500 GM
CM0343	Minimal Broth, Davis w/o Dextrose for isolation and characterization of nutritional mutants of <i>Escherichia coli</i> .	10.60	500 GM
CM0940	Moeller Decarboxylase Broth w/ Arginine HCl for differentiation of bacteria on the basis of their ability to Decarboxylate L-Arginine hydrochloride.	20.52	100 GM
CM0941	Moeller Decarboxylase Broth w/ Lysine HCl for differentiation of bacteria on the basis of their ability to Decarboxylate L-Lysine hydrochloride.	20.52	100 GM
CM0942	Moeller Decarboxylase Broth w/ Ornithine HCl for differentiation of bacteria on the basis of their ability to Decarboxylate L-Ornithine hydrochloride.	20.52	100 GM
CM0344	Motility-Indole-Lysine Medium (MIL Medium) for identification of members of <i>Enterobacteriaceae</i> on the basis of motility, lysine decarboxylase, lysine deaminase and indole production.	36.52	500 GM
CM0345	Mueller Hinton Agar for testing susceptibility of common and rapidly growing bacteria using antimicrobial discs by the Bauer-Kirby Method.	38.00	500 GM
CM0346	Mueller Hinton Broth for determine the susceptibility of bacteria to Sulphonamides by the tube dilution method.	21.00	500 GM
CM0338	Nitrate Agar for detection of nitrate reducing bacteria.	21.00	500 GM
CM0342	Nitrate Broth for detection of nitrate reducing bacteria.	9.00	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0148	Nutrient Agar for cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids	28.00	500 GM
CM0149	Nutrient Broth for general cultivation of less fastidious microorganisms, can be enriched with blood or other biological fluids.	13.00	500 GM
CM0150	Nutrient Gelatin for detection of gelatin liquefaction by proteolytic microorganisms.	128.00	500 GM
CM0943	OF Basal Medium for differentiation of gram-negative bacteria on the basis of fermentative and oxidative metabolism of carbohydrates.	9.38	500 GM
CM0151	Peptone Water all purpose growth medium and as the base of carbohydrate fermentation media.	15.00	500 GM
CM0348	Phenol Red Agar Base a basal medium to which carbohydrates may be added for use in fermentation studies of microorganisms.	31.00	500 GM
CM0349	Phenol Red Dextrose Agar for Dextrose fermentation studies of microorganisms.	41.00	500 GM
CM0351	Phenol Red Lactose Agar for lactose fermentation studies of microorganisms.	41.00	500 GM
CM0353	Phenol Red Maltose Agar for Maltose fermentation studies of microorganisms.	41.00	500 GM
CM0354	Phenol Red Mannitol Agar for Mannitol fermentation studies of microorganisms.	41.00	500 GM
CM0352	Phenol Red Sucrose Agar for Sucrose fermentation studies of microorganisms.	41.00	500 GM
CM0350	Phenol Red Broth Base a basal medium to which carbohydrates are added for determination of fermentation reactions of pure cultures of microorganisms.	16.00	500 GM
CM0347	Phenol Red Dextrose Broth for Dextrose fermentation studies of microorganisms.	21.00	500 GM
CM0519	Phenol Red Lactose Broth for Lactose fermentation studies of microorganisms.	21.00	500 GM
CM0520	Phenol Red Maltose Broth for Maltose fermentation studies of microorganisms.	21.00	500 G
CM0521	Phenol Red Mannitol Broth for Mannitol fermentation studies of microorganisms.	21.00	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0522	Phenol Red Sucrose Broth for Sucrose fermentation studies of microorganisms.	21.00	500 GM
CM0202	Phenylalanine Agar for differentiation of <i>Proteus</i> and <i>Providencia</i> group of organisms from other members of <i>Enterobacteriaceae</i> on the basis of their ability to form Phenyl Pyruvic acid from Phenylalanine.	26.00	500 GM
CM0152	Plate Count Agar for determining plate counts of microorganisms in milk and dairy products by pour plate technique.	17.50	500 GM
CM0523	Potato Dextrose Agar for isolation and enumeration of yeasts and moulds from dairy and other food products.	39.00	500 GM
CM0944	Potato Dextrose Broth for cultivation and enumeration of yeasts and moulds.	24.00	500 GM
CM0524	Reinforced Clostridial Agar for cultivation and enumeration of <i>Clostridia</i> and other anaerobes.	51.00	500 GM
CM0525	Reinforced Clostridial Broth for cultivation and enumeration of <i>Clostridia</i> and other anaerobes.	38.00	500 GM
CM0204	SIM Medium for determination of hydrogen sulphide production, indole formation and motility of enteric bacilli.	36.23	500 GM
CM0640	SS Agar (Salmonella Shigella Agar) for differential and selective isolation of <i>Salmonella</i> and <i>Shigella</i> species from pathological specimens, suspected foodstuffs, etc.	63.02	500 GM
CM0375	Salmonella Shigella Agar (Modified) for selective isolation and differentiation of <i>Salmonella</i> and <i>Shigella</i> species from pathological materials.	57.02	500 GM
CM0153	Sabouraud Dextrose Agar for cultivation of yeasts, moulds and aciduric microorganisms.	65.00	500 GM
CM0154	Sabouraud Dextrose Broth for cultivation of yeasts, moulds and aciduric microorganisms.	30.00	500 GM
CM0526	Selenite Broth (Selenite F Broth) and enrichment medium for isolation of <i>Salmonella</i> species from faeces, urine or other pathological materials.	23.00	500 GM
CM0527	Selenite Cystine Broth Base enrichment medium for isolation of <i>Salmonellae</i> in foods dairy products and clinical specimens	19.01	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0205	Simmons Citrate Agar for differentiating members of <i>Enterobacteriaceae</i> on the basis of citrate utilization	24.28	500 GM
CM0528	Sorbitol Agar (Mac Conkey Sorbitol Agar) for isolation and identification of enteropathogenic <i>Escherichia coli</i> strains.	50.00	500 GM
CM0356	Soyabean Casein Digest Agar (Tryptone Soya Agar) a general purpose medium used for cultivation of wide variety of microorganisms.	40.00	500 GM
CM0357	Soyabean Casein Digest Medium (Tryptone Soya Broth) a general purpose medium used for cultivation of wide variety of microorganisms and sterility testing of moulds and lower bacteria.	30.00	500 GM
CM0945	Starch Agar for detection of starch hydrolyzing microorganisms.	30.00	500 GM
CM0355	Stuart Transport Medium (Transport Medium, Stuart) for preservation and transportation of <i>Neisseria</i> species and other fastidious organisms from clinic to the laboratory.	14.12	500 GM
CM0363	Stuart Transport Medium w/o Methylene Blue for routine transport of <i>Gonococcal</i> species and other fastidious organisms.	14.00	500 GM
CM0362	Stuart Transport Medium w/o Sodium Glycerophosphate with addition of Sodium Glycerophosphate, medium is used for routine transport of <i>Gonococcus</i> species and other fastidious organisms.	4.12	500 GM
CM0946	Sulphite Agar for detection of thermophilic sulphide producing anaerobes.	31.00	500 GM
CM0220	TCBS Agar for selective isolation and cultivation of <i>Vibrio cholerae</i> and other enteropathogenic <i>Vibrios</i> causing food poisoning.	89.08	500 GM
CM0156	Tetrathionate Broth Base (w/o Iodine and BG) selective enrichment medium for selection of <i>Salmonella</i> from pathological materials	46.00	500 GM
CM0947	Tetrathionate Brilliant Green Bile Broth for isolation and identification of <i>Salmonellae</i> .	63.07	500 GM
CM0948	Tetrathionate Broth Medium an enrichment broth for isolation of <i>Salmonellae</i> from specimens suspected to be contaminated with <i>Salmonellae</i> in accordance with IP.	77.40	500 GM
CM0361	Todd Hewitt Broth for cultivation of group A haemolytic <i>Streptococci</i> used for serological studies.	37.00	500 GM
	Transport Medium (Stuart) see Stuart Transport Medium		
	Transport Medium w/o Charcoal see Cary - Blair Medium		

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0158	Triple Sugar Iron Agar for identification of gram-negative enteric bacilli on the basis of dextrose, lactose and sucrose fermentation and hydrogen sulphide production.	64.52	500 GM
CM0360	Tryptone Agar general purpose medium for growth of non-fastidious microorganisms.	33.00	500 GM
CM0949	Tryptone Agar Base for determination of motility and carbohydrate fermentation reactions of aerobes and anaerobes.	23.52	500 GM
CM0359	Tryptone Broth (Tryptone Water) for detection of indole producing microorganisms.	15.00	500 GM
CM0159	Tryptone Dextrose Agar for studying motility and fermentation of dextrose by aerobes as well as anaerobes.	28.51	500 GM
CM0950	Tryptone Glucose Yeast Extract Broth for enumeration of microorganisms from foods by MPN technique.	17.25	500 GM
CM0951	Tryptone Phosphate Broth for enrichment and cultivation of Enteropathogenic <i>Escherichia coli</i> from suspected food samples.	30.50	500 GM
Tryptone Soya Agar see Soyabean Casein Digest Agar.			
CM0952	Tryptone Yeast Extract Agar recommended for estimation of microbial counts in water.	21.00	500 GM
CM0953	Tryptophan Medium recommended for detection of indole production.	16.00	500 GM
CM0364	Tryptose Agar for isolation, cultivation and differentiation primarily of <i>Brucella</i> , but also of <i>Streptococci</i> , <i>Pneumococci</i> , <i>Meningococci</i> and other pathogenic microorganisms.	41.00	500 GM
CM0365	Tryptose Blood Agar Base for the isolation of fastidious organisms and determining the hemolytic reactions.	33.00	500 GM
CM0366	Tryptose Broth for the cultivation primarily of <i>Brucella</i> species.	26.00	500 GM
CM0367	Tryptose Broth w/ Thiamine HCl for cultivation and differentiation of fastidious microorganisms in an infusion free medium	26.00	500 GM
CM0229	Urea Agar Base, Christensen for the detection of Urease production, particularly by members of the genus <i>Proteus</i> . *Urea 40% (5 ml per vial)	24.01	500 GM Δ 10 Vials
CM0230	Urea Broth for the identification of bacteria on the basis of urea utilization, specially for the differentiation of <i>Proteus</i> , <i>Salmonella</i> and <i>Shigella</i> species.	38.71	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0368	Vibrio Agar for selective cultivation of <i>Vibrio</i> species.	79.92	500 GM
CM0369	Violet Red Bile Agar for selective isolation, detection and enumeration of coli-aerogenes bacteria in water, milk and other dairy, food products.	41.53	500 GM
CM0232	Violet Red Bile Agar w/ Glucose for selective isolation, detection and enumeration of coli-aerogenes bacteria in water, milk other diary food products.	51.53	500 GM
CM0370	Violet Red Bile Broth for detection and enumeration of Coliforms from water and food.	26.53	500 GM
CM0371	Water Agar for enumeration according to MPN method.	20.00	500 GM
CM0955	Wilson Blair Agar Base with the addition of selective reagent used for the isolation of <i>Salmonella typhi</i> .	60.00	500 GM
CM0372	Wort Agar for cultivation and enumeration of yeasts.	48.28	500 GM
CM0373	Wort Broth for cultivation and enumeration of yeasts.	33.28	500 GM
CM0324	Xylose Lysine Deoxycholate Agar (XLD Agar) for selective isolation and enumeration of <i>Salmonella</i> Serotype Typhi and other <i>Salmonella</i> species.	56.68	500 GM
Yeast Beef Agar see Antibiotic Assay Medium No. 4			
Yeast Beef Broth (Antibiotic Assay Medium No. 20) see Antibiotic Assay Medium No. 20			
CM0380	Yeast Dextrose Agar for the cultivation of a variety of heterotrophic microorganisms.	35.00	500 GM
CM0379	Yeast Extract Agar highly nutritive medium recommended for plate count of microorganisms in water.	23.00	500 GM
CM0378	Yeast Glucose Beef Agar for cultivation of lactic <i>Streptococci</i> and for determining growth characteristics.	48.00	500 GM
CM0377	Yeast Lactose Agar for cultivation of soil microorganisms such as <i>Rhizobium</i> species.	33.00	500 GM
Yeast Malt Agar (YM Agar) see ISP Medium No. 2			
CM0238	Yeast Malt Broth (YM Broth) for isolation and cultivation of yeasts, moulds and aciduric microorganisms.	21.00	500 GM

PRODUCT CODE	DESCRIPTION	QTY. PER LIT. OF MEDIUM	PACK SIZE
CM0957	Yersinia Enrichment Broth Base for the enrichment of <i>Yersinia</i> species, in particular <i>Yersinia enterocolitica</i> from human and animal intestinal contents	13.01	500 GM
CM0958	Yersinia Identification Broth Base recommended for identification of <i>Yersinia</i> species	10.02	500 GM
CM0959	Yersinia Isolation Agar recommended for selective isolation of <i>Yersinia</i> species from foods	79.02	500 GM
CM0960	Yersinia Selective Agar Base for selective isolation and enumeration of <i>Yersinia enterocolitica</i> from clinical specimens and food samples	58.04	500 GM