Product Data Sheet

B. MEAT EXTRACT AGAR
Product No. GB-DCM-00084-1A

INTENDED USE
General purpose medium.

PRODUCT SUMMARY
The majority of organisms to be studied in medical bacteriology are either pathogens or commensals of the human body, and in order to obtain suitable growth the artificial culture medium should provide nutrients and a pH (about 7.2) approximating to those of the tissues and body fluids. For routine purposes many of these nutrients are supplied by aqueous extracts of peptone, which is a product of the digestion of protein. This media can be used as a general-purpose nutrient medium and is also recommended for preparation of pure culture of Candida species for carrying out fermentation studies.

Product Specifications

Ingredients	Gms / Ltr
Peptone	6.000
Beef extract	1.500
Sodium chloride	5.000
Agar	15.000

INSTRUCTION FOR USE
- Dissolve 33.0 grams in 1000 ml purified / distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Cool to 45-50°C.
- Mix well and pour the medium in sterile Petri plates.

PRINCIPLE
This agar is a non-selective nutrient medium containing Beef extract and peptone as a source of nitrogen and carbon and sodium chloride as a source of electrolytes.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Escherichia coli	25922	50-100	Luxuriant	>=70 %	35-37°C	18-48 Hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	>=70 %	35-37°C	18-48 Hours
Salmonella Typhi	6539	50-100	Luxuriant	>=70 %	35-37°C	18-48 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	Luxuriant	>=70 %	35-37°C	18-48 Hours
Candida albicans	10231	50-100	Luxuriant	>=70 %	35-37°C	18-48 Hours

QUALITY CONTROL SPECIFICATIONS

Appearance of Dehydrated powder: Cream to yellow, homogeneous free flowing powder
Appearance of Prepared medium: Yellow coloured, clear to slightly opalescent gel forms in Petri plates.
pH (at 25°C) : 7.4± 0.2

PRINCIPLE

This agar is a non-selective nutrient medium containing Beef extract and peptone as a source of nitrogen and carbon and sodium chloride as a source of electrolytes.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers below 25°C and protect from direct Sunlight. Under optimal conditions, the medium has a shelf Life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.
Product Deterioration: Do not use, if powder show evidence of microbial contamination, discoloration, drying, or other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

This product is for research use only.

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