

CM 20744 - GARROD ACTINOMYCES MEDIUM

INTENDED USE

For cultivation of pathogenic anaerobic species, like Actinomyces israeli and Actinomyces bovis.

PRODUCT SUMMARY AND EXPLANATION

GarrodActinomyces medium is recommended for cultivation of pathogenic anaerobic species Actinomyces israeli and Actinomyces bovis. For primary isolation and maintenance of Actinomycetes, organically complex media are recommended.

COMPOSITION

Ingredients	Gms / Ltr
Beef extract	3.000
Sodium chloride	5.000
Peptic digest of animal tissue	10.000
Starch, soluble	1.000
Agar	20.000

PRINCIPLE

Peptic digest of animal tissue, beef extract and soluble starch provide all necessary nutrients for growth of actinomycete species. Sodium chloride maintains osmotic balance. Inoculate plates with 1 drop of diluted culture or specimen and spread over the surface of the plate. Incubate at 35-37°C for 24-48 hours and examine plates for growth upto 7 days in the form of small white colonies.

INSTRUCTION FOR USE

- Dissolve 39.0grams in 1000 ml distilled water.
- Heat to boiling dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and dispense as desired.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder : Cream to yellow coloured homogeneous free flowing powder.
- Appearance of prepared medium : Yellow coloured clear to slightly opalescent gel forms in Petri plates.

INTERPRETATION

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Actinomyces bovis	13683	50-100	Luxuriant	>=70%	35-37°C	48-72 Hours



Actinomyces israelii	10049	50-100	Luxuriant	>=70%	35-37°C	48-72 Hours
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PACKAGING:

Inpacksizeof500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°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.

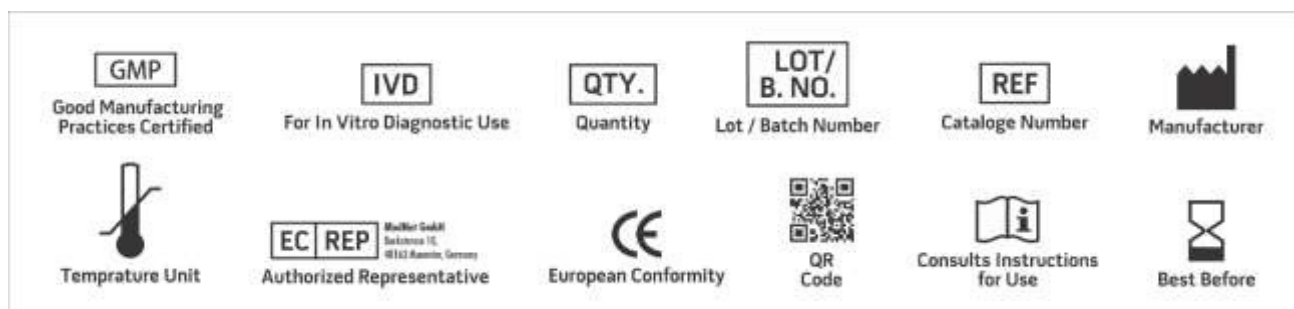
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

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

REFERENCES

1.The Prokaryotes, 2nd edn. Volume I, Balows A Truper HG, Dwarkin M, Harder W and Schleifer KH (editors), Pg:850-905, Springer-Verlag, New York.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

*For LabUse Only

