

TM 1347 - GARROD ACTINOMYCES MEDIUM

INTENDED USE

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

PRODUCT SUMMARY AND EXPLANATION

Garrod Actinomyces 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 39.0 grams 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
<i>Actinomyces bovis</i>	13683	50-100	Luxuriant	>=70%	35-37°C	48-72 Hours

<i>Actinomyces israelii</i>	10049	50-100	Luxuriant	≥70%	35-37°C	48-72 Hours
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PACKAGING:

In pack size of 500 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

After use, 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.

 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

*For Lab Use Only
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