

Product Data Sheet

GARROD ACTINOMYCES MEDIUM

Product No. GB-DCM-00226-1A

INTENDED USE

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

PRODUCT SUMMARY

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

Product Specifications

| Ingredients | Gms / Ltr |
|--------------------------------|------------------|
| Beef extract | 3.000 |
| Sodium chloride | 5.000 |
| Peptic digest of animal tissue | 10.400 |
| 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.



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| Microorganism | ATCC | Inoculum (CFU/ml) | Growth | Recovery | Incubation Temperature | Incubation Period |
|-----------------------------|-------|-------------------|-----------|-------------|------------------------|-------------------|
| Aspergillus brasiliensis | 16404 | 50-100 | luxuriant | $\geq 50\%$ | 25-30°C | 5- 7 Days |
| Candida albicans | 10231 | 50-100 | luxuriant | $\geq 50\%$ | 25-30°C | 5- 7 Days |
| Lactobacillus acidophilus | 11506 | 50-100 | luxuriant | $\geq 50\%$ | 25-30°C | 5- 7 Days |
| Saccharomyces cerevisiae | 9763 | 50-100 | luxuriant | $\geq 50\%$ | 25-30°C | 5- 7 Days |
| Trichophyton mentagrophytes | 18748 | 50-100 | luxuriant | $\geq 50\%$ | 25-30°C | 5- 7 Days |

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to yellow homogeneous free flowing powder.

Appearance of prepared medium: Yellow coloured clear to slightly opalescent gel forms in Petri plates.

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.

This product is for research use only.

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