



ANTIBIOTIC ASSAY MEDIUM NO. 4

Product Information

Product Number **A2965**

Product Description

Antibiotic Assay Medium No. 4 is used in the performance of antibiotic assays. This medium is prepared according to the specifications detailed in the USP and by the FDA. The use of this medium assures well defined inhibition zones of the test organisms. Nutrients and growth factors are supplied by the peptic digest of animal tissue, yeast extract and beef extract. Dextrose is a carbon source.

Components

Item	g/L
Peptic Digest of Animal Tissue	6.00
Yeast Extract	3.00
Beef Extract	1.50
Dextrose	1.00
Agar	15.00

Final pH (at 25°C) 6.6 ± 0.2

Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 26.5 grams of Antibiotic Assay Medium No. 4 in 1000 mls of distilled water. Heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

Storage

Store the dehydrated medium at 24°C and the prepared medium at 2-8°C.

Product Profile

Appearance	Light yellow colored, homogenous, free flowing powder.
Gelling	Firm.
Color and Clarity	Yellow colored, clear to very slightly opalescent gel forms in petri plates.
Cultural Response	Cultural characteristics are observed after 18-24 hours at 55°C.

Organisms

Bacillus stearothermophilus good-luxuriant

Growth

References

1. United States Pharmacopeia/National Formulary (USP22/NF 17), (1990). U.S. Pharmacopeial Convention, Inc., Rockville, Maryland.
2. United States Pharmacopeia/National Formulary (USP 23/NF18), (1995). U.S. Pharmacopeial Convention, Inc., Rockville, Maryland.
3. Tests and Methods of Assay of Antibiotics and Antibiotic Containing Drugs, FDA, CFR, (1983). Title 21. Part 436. Subpart D. Washington, D.C.

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