

Product Information

ANTIBIOTIC ASSAY MEDIUM NO. 3

Product Number A 1340

Product Description

Antibiotic Assay Medium No. 3 is used in the performance of antibiotic assays. This medium is prepared according to the specifications detailed in the USP and by the FDA. Nutrients and growth factors are supplied by peptic digest of animal tissue, yeast extract, and beef extract. Dextrose is a carbon source. The phosphates provide good buffering action. Sodium chloride maintains the osmotic equilibrium.

Components

Item	g/L
Peptic Digest of Animal Tissue	5.00
Yeast Extract	1.50
Beef Extract	1.50
Dextrose	1.00
Sodium Chloride	3.50
Dipotassium Phosphate	3.68
Potassium Dihydrogen Phosphate	1.32

Final pH (at 25 °C) 7.0 ± 0.2

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

Preparation Instructions

Suspend 17.5 grams in 1000 mls 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, homogeneous, free flowing powder.
Color and Clarity	Light yellow colored, clear solution without any precipitate.
Cultural Response	Cultural characteristics observed after 18-24 hours at 35-37°C.

Organisms (ATCC) Growth

<i>Escherichia coli</i>	(10536)	luxuriant
<i>Klebsiella pneumoniae</i>	(10031)	luxuriant
<i>Streptococcus faecium</i>	(10541)	luxuriant
<i>Staphylococcus aureus</i>	(29737)	luxuriant

References

1. American Type Culture Collection, Manassas, Va., U.S.A.
2. United States Pharmacopeia/National Formulary (USP22/NF 17), (1990). U.S. Pharmacopeial Convention, Inc., Rockville, Maryland.
3. United States Pharmacopeia/National Formulary (USP 23/NF18), (1995). U.S. Pharmacopeial Convention, Inc., Rockville, Maryland.
4. 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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