Haemophilus Test Medium

Cat. 1464

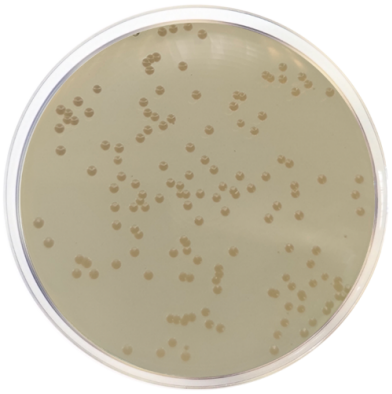
For susceptibility test of Haemophilus influenzae.

Practical information

Aplications	Categories
Antibiotic Assay	Haemophilus

Industry: Clinical / Antimicrobial susceptibility testing

CE
IVD



Principles and uses

Haemophilus Test Medium is prepared using Mueller Hinton, supplemented with yeast extract and haemin as growth factors esential for Haemophilus influenzae.

The medium is manufactured carefully, choosing the raw materials to contain low concentrations of thymine and thymidine, as well as appropriate levels of calcium and magnesium ions essential to test susceptibility of microorganisms to antibiotics.

Formula in g/L

Bacteriological agar	15	Yeast extract	5
Mueller Hinton Base	21		

Typical formula g/L * Adjusted and/or supplemented as required to meet performance criteria.

Preparation

Suspend 20,5 grams of medium in 500 ml of distilled water. Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution. Sterilize in autoclave at 121 ºC for 15 minutes. Cool to 45-50 ºC and aseptically add 1 vial of Hamophilus Supplement (Cat.6094), mix well and dispense into plates.

Instructions for use

For clinical diagnosis, the type of sample is pure cultures of haemophilus isolated from clinical samples.
- Spread the inoculum on the surface.
- Place the impregnated discs.
- Incubate in aerobic conditions at 35±2 ºC for 18-72 hours.
- Reading and interpretation of the results.

According to Bauer Kirby method:
Inoculate and incubate in a 5-7% CO2 atmosphere, at a temperature of 35±2 ºC and observe after 16-18 hours.

Quality control

Solubility	Appareance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25ºC)
w/o rests	Fine powder	Beige	Amber, slightly opalescent	7,3±0,1

Microbiological test

Incubation conditions: (35±2 ºC / 16-18 h).

Microorganisms	Specification
Haemophilus influenzae ATCC 10211	Good growth

Storage

Temp. Min.:2 ºC
Temp. Max.:25 ºC

Bibliography

Clinical and Laboratory Standards Institute. 2006. Approved standard M2-A9. Performance standards for antimicrobial disk susceptibility test 9th ed. CLSI, Wayne, Pa.
Bauer, A.W., W.M.M. Kirby, J.C. Sherris, and M. Turck. 1966. Antibiotic susceptibility testing by standardized single dish method. Am. J. Clin. Pathol. 45:493-158.