

LEGIONELLA ENRICHMENT BROTH

Used for cultivation of Legionella species.

DESCRIPTION

Legionella is a gram-negative bacterium and is the causative agent of Legionnaires disease. Natural sources of Legionella are fresh water ponds and creeks. Transmission to humans takes place via inhalation of aerosols from cooling towers, hot water systems or fountains containing the bacteria. Legionella Enrichment Broth is recommended for enrichment of Legionella.

PRINCIPLE

Yeast extract, Liver extract and proteose peptone in Legionella Enrichment Broth provide necessary nitrogenous nutrients for better recovery of Legionella. Sodium chloride helps to maintain osmotic balance. L-Cysteine hydrochloride and ferric pyrophosphate satisfy the specific nutritional requirements.

COMPOSITION

Yeast extract
 Proteose peptone
 Liver extract
 Sodium chloride
 L-Cysteine hydrochloride
 Ferric pyrophosphate

Final pH 6,9 ± 0,2 at 25°C

WARNING AND PRECAUTIONS

Observe the precautions normally taken when handling laboratory reagents.

Prepared Medium: The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

Safety Data Sheet is available on request for professional users.
 All waste must be disposed of according to local directives.

STORAGE AND STABILITY

Prepared medium: 2-8°C

The product is stable until the expiration date indicated on the label under the recommended storage conditions.

PROCEDURE

For water samples, follow appropriate techniques for sample collection, processing as per guidelines and local standards.

QUALITY CONTROL

Prepared medium: Yellow coloured clear to slightly opalescent solution.

Typical response after incubation at 36±2°C for 2-5 days:

MICROORGANISM	GROWTH
Legionella pneumophila ATCC 33152	Good
Legionella anisa ATCC 35292	Good

REFERENCES

- Baird R.B., Eaton A.D., and Rice E.W., (Eds.), 2015, Standard Methods for the Examination of Water and Wastewater, 23rd ed., APHA, Washington, D.C.
- Collee J. G., Duguid J. P., Fraser A. G., Marmion B. P., (Eds.), Mackie and McCartney, Practical Medical Microbiology, 1989, 13th Edition, Churchill Livingstone.
- Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
- Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

PRESENTATION

Packaging

REF.

Prepared medium:

LEGIONELLA ENRICHMENT BROTH

20 x 10 mL Tubes	5238/20
100 x 10 mL Tubes	5238/100

SYMBOLS



Read the instructions



CE Mark (product complies with the requirements of Regulation (EU) 746/2017)



Temperature limitation



For in vitro diagnostic use



Biological hazard



Use by



Manufacturer