

Reference: 06-134LYO1 Scharlau Microbiology - Technical Data

Product: Legionella BCYE w/o Cysteine Supplement

Specification

Selective supplement for confirm Legionella spp.

Presentation

5 Freeze-dried vials + 5 Sterile solvent

vial

with: ± 0.1 ml

Packaging Details

1 box with 10 vials with white plastic cap and tag labelled (5 Freeze-dried vials + 5 vials with rehydration fluid).

Shelf Life Storage

36 months 2-25 °C

Composition

Composition (g/vial):

ACES Buffer...... 5.000 g (N-2-acetamido-2-aminoethanesulfonic acid) Potassium hydroxide......1.400 g

Ferric pyrophosphate......0.125 g Potassium Alfa-ketoglutarate......0.500 g

Reconstitute the original freeze-dried vial by adding 1 vial with Sterile Solvent......9 ml

Necessary amount for 500 ml of complete medium:

Description / Technique

Description:

Selective supplement without cysteine, essential growth factor for Legionella, which confirms false positives if they grow in the medium.

Technique:

Collect and prepared dilute samples and volumes as needed according to the specifications, guidelines, standard government regulations and / or results .

Reconstitute the vial with the attached sterile diluent and aseptically add to 500 ml of basal medium (Legionella BCYE Agar Base), Previously melted and cooled to 50 °C. Mix gently and pour into Petri dishes.

The Inoculated plates were allowed to stand until absorbed the inoculum doing lot and then Incubated , inverted at 36 ± 2 °C for 4-10 days. To Ensure That the atmosphere is moist enough not recommend putting a pan of water on the stove and fill, if necessary, each time the plates are examined. Incubation in an air atmosphere with 2.5 % (v / v) of CO2 can be very beneficial for the growth of legionella some, but not critical.

The plates are examined with a magnifying adequate, At least three times at intervals of 2,3,5 days during the incubation period as legionella are slow growing and may be masked by the growth of other microorganisms.

Legionella colonies can not grow In this medium, lack of cysteine.

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Quality control

Physical/Chemical control

Color: Yellowish

Microbiological control

Add 1 vial to 500 ml of medium base. DO NOT HEAT once supplemented.

Inoculate 30-300 CFU (productivity) 1.000-10.000 CFU (selectivity)

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 36 ± 2 °C. Reading 2 - 5 days.

Microorganism

Growth Legionella pneumophila ATCC® 33152, WDCM 00107 Negative

Stph. epidermidis ATCC® 12228, WDCM 00036

Sterility control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

Add 5 ml of the sample to:

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Good

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