Condalab Product: Legionella BCYE w/o Cysteine Supplement

Specification

Selective supplement for confirm Legionella spp.

Presentation				
5 Freeze-dried vials + 5 Sterile solvent vial	Packaging Details		Shelf Life 36 months	Storage 2-25 ºC
with: ± 0.1 ml	vials + 5 vials w	vials + 5 vials with rehydration fluid).		225 (
Composition				
Composition (g/vial):				
		Necessary amount for 500 ml of		
ACES Buffer	.000 g	complete medium:		
(N-2-acetamido-2-aminoethanesulfonic acid)				
Potassium hydroxide1	.400 g			

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

Description /Technique

Description :

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

<u>Technique :</u>

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.

Quality control

Physical/Chemical control

Color : Yellowish

pH: at 25ºC

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

Legionella pneumophila ATCC[®] 33152 Stph. epidermidis ATCC[®] 12228, WDCM 00036

Sterility Control

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH. Check at 7 days after incubation in same conditions. Add 5 ml of the sample to: Growth Negative Good Condalab Product: Legionella BCYE w/o Cysteine Supplement

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