Condalab

Reference: 6052 **Technical Data Sheet**

Product: **AEROMONAS SUPPLEMENT**

Specification

Sterile selective supplement used for *Aeromonas spp.* isolation from water, food and clinical samples.

Presentation

	Packaging Details	Shelf Life	Storage
10 Freeze dried vials Vial with: 3 ± 0.1 g	23x60 mm glass vials, tag labelled, White plastic cap - 10 vials per box.	49 months	2-25 ºC

Composition

Compositon (g/vial)

Ampicillin sodium salt..... 0.0025

NOTE : Each vial is sufficient to supplement 500ml of medium Blood Agar Base (Columbia).

Reconstitute the original freeze-dried vial by adding:
Sterile Distilled Water.....6 ml

Description /Technique

Description:

Ampicillin permits to isolate *Aeromonas spp.* that are getting increasing attention as a human patogen.
The macroscopic aspect of the colonies of *Aeromonas* could be depending on the formulation of the medium base as follow:
- Dark green-opaque colonies with a dark center in Ryan's one;
- Brilliant pink translucent colonies into media formulated with crystal violet and neutral red;
- Yellow colonies due to the dextrin fermentation in selective medium following Havelaar.

Technique:

Collect and process sample volumes according to the specifications of directives, regulations, standards or specific protocols established depending on the objectives.
Reconstitute the vial with the sterile diluent (6 ml) in aseptic conditions and add it to 500 ml of Blood Agar Base or Cpolumbia Blood Agar Base cooled to 50ºC. Do not overheat once suplemented.
Pour the complete medium into Petri dishes and, once solidified on a flat surface, spread the plates either by streaking or by spiral method.
Incubate the plates in aerobic atmosphere at 35±2ºC for 24-48h.
Incubation times longer than those mentioned above or different incubation temperatures may be requied depending on the sample or the specifications.
After incubation, count all the colonies that have appeared onto the surface of the agar.
Presumptive isolation of *Aeromonas* spp. must be confirmed by further microbiological and biochemical tests.

Quality control

Physical/Chemical control

Color : White-Gray pH: at 25ºC

Microbiological control

Reconstitute 1 vial as indicated in COMPOSITION; shake and dissolve completely
Distribute the complete medium, cooled at 50ºC, in plates
Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 35 ± 2 ºC, reading at 24-48 hours.

Microorganism	Growth
Aeromonas hydrophila ATCC® 7966, WDCM 00063	Good
Escherichia coli ATCC® 25922, WDCM 00013	Partially Inhibited (≤ 30%)
Stph. aureus ATCC® 25923, WDCM 00034	Inhibited

Sterility Control

Add 5 ml of the sample to:
100 ml TSB and 100 ml Thioglycollate.
Incubation 48 h at 30-35 ºC and 48 h at 20-25 ºC: NO GROWTH.

Bibliography

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