

Ampicillin Supplement

Intended Use

An antibiotic supplement recommended for the isolation of *Aeromonas hydrophila* from foods.

Summary/Principle

The isolation of *Aeromonas hydrophila* group has been extensively studied by clinical microbiologists and many media have been developed for their isolation. It was found that clinical media were not suitable because of lower recovery percentage and difficulties in distinguishing the *A. hydrophila* group from the background microflora. Starch Ampicillin (SA) Agar was formulated as described by Palumbo *et al.*, for isolation and cultivation of *A. hydrophila* from foods. Ampicillin has good activity against most gram-positive and many gram-negative organisms. Numerous researchers have reported the use of ampicillin as a selective agent for *Aeromonas*.

Ampicillin antibiotic

Composition per vial, Sufficient for 1000 mL medium:

Ampicillin 10 mg

Storage and Stability

1. Store the Microxpress® Ampicillin Supplement kit at 2°C-8°C, away from light.
2. Stability of the Microxpress® Ampicillin Supplement kit is as per the expiry date mentioned on the label.

Directions

1. Rehydrate the contents of 1 vial aseptically with 5 mL of sterile distilled water.
2. Mix well and aseptically add 1000 mL sterile, molten, cooled (45°C -50°C) SA Agar Base.
3. Mix well and pour into sterile petri plates.

Quality Control

Cultural characteristics observed after an incubation at 30°C for 24-48 hours.

Organisms (ATCC)

Aeromonas hydrophila (7966)

Escherichia coli (25922)

Staphylococcus aureus subsp. *aureus* (25923)

Growth

Good

Poor-fair

Inhibition

Remarks

1. Do not use cracked or broken vials.
2. Good laboratory practices and hazard precautions must be observed at all times.

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

1. Data on file: Microxpress®, A division of Tulip Diagnostics (P) Ltd.

Product Presentation:

| Cat No. | Product description | Pack Size |
|--------------|----------------------------|-----------|
| 204010830005 | Media Selective Supplement | 5 Vials |

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.