

# Ampicillin Selective Supplement



- For in vitro use only -

## Catalogue No.

VA55-05 Ampicillin Selective Supplement [5-mL / 500-mL] (Frozen Liquid)

LA55-05 Ampicillin Selective Supplement [5-mL / 500-mL] (Lyophilized)

A selective supplement used for the isolation of *Aeromonas* species when incorporated into Ryan's Aeromonas Medium. Ampicillin is a semi-synthetic penicillin that 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*.

## Active Ingredients per 5-mL Vial (Each vial prepares 500-mL of media)

Ampicillin ..... 2.5 mg

## Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Oxoid	Aeromonas Medium Base	CM833

## Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to use:

1. Aseptically add 5.0-mL of cool, sterile purified water to the vial.
2. Mix vial gently until supplement is completely dissolved.

## Recommended Procedure for Media Preparation

1. Allow one 5.0-mL vial of supplement to adjust to room temperature prior to using.
2. Suspend 14.75g of Aeromonas Agar Base (Ryan) in 500-mL of purified water.
3. Mix with heat to a gentle boil. **DO NOT AUTOCLAVE**
4. Cool medium to 45 to 50°C in a water bath.
5. Mix supplement well before adding; aseptically add the 5.0-mL vial of Aeromonas Selective Supplement to the medium; mix well to incorporate the supplement thoroughly into the medium.
6. Dispense medium into sterile petri dishes.
7. Allow medium to set on a cool, level surface.

## Quality Control

The following organisms should be used to determine the performance of the completed medium. Inoculate and incubate at 35°C for 18 to 48 hours.

Organism	Expected Results
<i>Aeromonas hydrophilia</i> ATCC 7966	Growth
<i>Escherichia coli</i> ATCC 25922	Inhibition

## Storage and Shelf Life

Our frozen Ampicillin Selective Supplement has a shelf life of 26 weeks from the date of manufacture when stored at -20°C. The lyophilized supplement has a shelf life of 104 weeks (2 years) from the date of manufacture when stored at 4 to 8°C.

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