

Listeria Supplement (Oxford)



- For in vitro use only -

Catalogue No.

VL70-05 Listeria Supplement (Oxford) [5-mL / 500-mL] (Frozen Liquid)

LL70-05 Listeria Supplement (Oxford) [5-mL / 500-mL] (Lyophilized)

A selective supplement used for the detection and isolation of *Listeria* species when incorporated into Listeria Oxford Agar.

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

Cycloheximide	200 mg
Colistin	10 mg
Acriflavine	2.5 mg
Cefotetan	1 mg
Phosphomycin	5 mg

Appropriate Commercial Bases

Manufacturer	Description	Catalogue No.
Acumedia	Oxford Listeria Agar	7428A
Difco	Oxford Medium Base	222530
Merck	Oxford Listeria Selective Agar Base	1.07004
Oxoid	Listeria Selective Agar (Oxford)	CM856

Reconstitution Procedure

The lyophilized supplement must be reconstituted prior to use:

1. Aseptically add 2.5-mL of ethanol; swirl vial briefly and add 2.5-mL of 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 Listeria Supplement (Oxford) to adjust to room temperature prior to using.
2. Prepare and sterilize 500-mL of Listeria Oxford Agar according to the manufacturers recommendations. (Boil and then autoclave for 15 minutes at 121°C)
3. Cool medium to 45 to 50°C in a water bath.
4. Mix supplement well before adding.

5. Aseptically add the 5.0-mL vial of Listeria Supplement to the medium; mix well to incorporate the supplement thoroughly into the medium.
6. Dispense medium into sterile petri dishes. 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>Listeria monocytogenes</i> ATCC 19114	Growth, black colonies
<i>Escherichia coli</i> ATCC 25922	Partial to complete inhibition
<i>Staphylococcus aureus</i> ATCC 25923	Partial to complete inhibition

Storage and Shelf Life

Our frozen Listeria Oxford 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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