PRODUCT INFORMATION

Oxford Listeria Agar Base

Cat. No. O15-102

Date of Issue:
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DESCRIPTION

Oxford Listeria Agar, with addition of antibiotics, is used for the selective isolation of *Listeria monocytogenes* from food. Typically, *L. mono* is visible after 24 hours but continued incubation may allow for the detection of slower growing stains.

Formula* per Liter:

Columbia Blood Agar Base	39.0g
Esculin	1.0g
Ferric Ammonium Citrate	0.5g
Lithium Chloride	15.0g
Agar	2.0g

Final pH: 7.2 ± 0.2 at 25°C

* *Grams per liter may be adjusted or formula supplemented to obtain desired performance.*

PREPARATION

Mix 57.5 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring and bring to a boil to dissolve completely. Distribute and autoclave for 15 minutes at 121°C. Aseptically add a filter sterilized solution of Oxford Antimicrobic Supplement (Acriflavin 5mg, Cefotetan 2mg, Colistin Sulfate 20mg, Cycloheximide 400mg, and Phosphomycin 10mg) or Modified Oxford Antimicrobic Supplement (Colistin Sulfate 10mg, Moxalactam 20mg).

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing, and beige.
2. Visually the prepared medium is light to medium beige and slightly hazy.
3. Expected cultural response after 24-48 hours at 35°C with the addition of Oxford Antimicrobic Supplement or Modified Oxford Antimicrobic Supplement

Microorganisms:	Oxford:	Modified Oxford:
Escherichia coli ATCC 25922	*Inhibition*	*Inhibition*
Enterococcus faecalis ATCC 25212	*Inhibition*	*Inhibition*
Listeria monocytogenes ATCC 7644	*Growth, Black colonies*	*Growth, Black colonies*
Listeria monocytogenes ATCC 19114	*Growth, Black colonies*	*Growth, Black colonies*
Staphylococcus aurous ATCC 25923	*Suppressed*	*Inhibition*

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

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