



Actero™ Oxford Listeria Agar Product Information

Catalogue No.	Description
FCM-084	Actero™ Oxford Listeria Agar (500 G)
FCM-083	Actero™ Oxford Listeria Agar (2 KG)
FCM-082	Actero™ Oxford Listeria Agar (10 KG)

INTENDED USE

Oxford Listeria Agar, with addition of antibiotics, is used for the selective isolation of *Listeria monocytogenes* from food. Typically, *Listeria monocytogenes* is visible after 24 hours but continued incubation may allow for the detection of slower growing stains. *Listeria* hydrolyzes esculin to produce black zones around the colonies while Lithium chloride and antibiotics are incorporated in the medium for selectivity.

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 at 15 minutes at 121°C.

QUALITY CONTROL SPECIFICATIONS

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

Organism	Oxford	Modified Oxford
<i>Escherichia coli</i> ATCC® 25922	Inhibition	Inhibition
<i>Listeria monocytogenes</i> ATCC® 7644	Growth, Black colonies	Growth, Black colonies
<i>Listeria monocytogenes</i> ATCC® 19114	Growth, Black colonies	Growth, Black colonies
<i>Staphylococcus aureus</i> ATCC® 25923	Suppressed	Inhibition

Storage Instructions:

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 beige color.

