

OADC Growth Supplement (iS47094)

OADC or Middlebrook Oleic Albumin Dextrose Catalase Growth Supplement is an enrichment supplement recommended for the cultivation of *Mycobacteria*.

Description

Middlebrook OADC Growth Supplement is employed in conjunction with Middlebrook Agar, enabling the isolation and cultivation of diverse *Mycobacteria*. Comprising vital constituents like oleic acid, bovine albumin, sodium chloride, dextrose, and catalase, the supplement plays a crucial role in *Mycobacterial* metabolism. Oleic acid is essential, while albumin safeguards against the toxicity of specific free fatty acids. Dextrose acts as the fermentable carbohydrate and an energy source, with catalase eliminating potential toxic peroxides in the medium.

Content per Vial

1 Vial for 500 ml of culture medium.

Bovine Albumin Fraction V	2.50 g
Dextrose	1.0 g
Catalase	0.002 g
Oleic Acid	0.025 g
Sodium Chloride	0.425 g
Distilled Water	50 ml

Directions

Allow the refrigerated supplement to reach room temperature. Aseptically combine 50 ml of the supplement with 450 ml of sterile Middlebrook culture medium. Ensure thorough mixing and then pour the mixture into sterile screw-capped tubes.

Storage

Store in a light-protected environment at 2-8°C.