

N-S Anaerobe Selective Supplement (iS47003)

A supplement for the selective isolation of non-sporing anaerobes.

Industry: Clinical

Description

A supplement tailored for the selective isolation of non-sporing anaerobes includes menadione, a synthetic compound with vitamin K activity. Sodium pyruvate is commonly added to cell culture media for energy and may offer protective effects against hydrogen peroxide. Nalidixic acid, the first synthetic quinolone antibiotic, is effective against both gram-positive and gram-negative bacteria, acting bacteriostatically at lower concentrations and bactericidally at higher concentrations. Hemin is essential for the growth of *Bacteroides* species.

Content per Vial

1 Vial for 500 ml of culture medium.

Hemin	2.5 mg
Menadione	0.25 mg
Sodium Pyruvate	500 mg
Nalidixic Acid	5.0 mg

Directions

Mix the contents of one vial with 5 ml sterile distilled water until fully dissolved. Filter sterilize the solution and aseptically incorporate it into 475 ml of sterile Wilkins-Chalgren Anaerobe Agar at 50 °C, along with 25 ml defibrinated blood. Ensure thorough mixing and then pour the mixture into sterile petri dishes.

Note: While Wilkins-Chalgren Anaerobe Agar is recommended, other media such as Columbia Agar Base and Blood Agar Base No.2 can be used satisfactorily.

Storage

Store in a light-protected environment at -20°C.