

Fraser Listeria Selective Supplement (iS47022)

A selective supplement recommended for isolation of *Listeria* species from food, animal feed and environmental specimens.

Industry: Clinical / Food

Description

A selective supplement facilitates the isolation of *Listeria* species. All *Listeria* species exhibit esculin hydrolysis, resulting in esculetin formation that reacts with iron ions, causing medium blackening. The supplement, containing acriflavine and nalidixic acid, contributes to the medium's selectivity by inhibiting accompanying flora that could hydrolyze esculin.

Content per Vial

1 Vial for 500 ml of culture medium.

Nalidixic Acid 10.0 mg

Acriflavine Hydrochloride 12.5 mg

Directions

Add 5 ml of sterile distilled water into one vial, gently mixing to ensure complete dissolution. Filter sterilize the solution and, under aseptic conditions, introduce it to 500 ml of sterile Fraser Listeria Selective Enrichment Broth Base, previously cooled to 50 °C. Thoroughly mix and dispense into sterile tubes.

Storage

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

Precautions

Acriflavine hydrochloride is activated by light which may cause it to become inhibitory to *Listeria* growth.