

## NOVOBIOCIN ANTIMICROBIC SUPPLEMENT

### Lyophilized selective supplement

#### INTENDED USE

Selective supplement for the isolation of *Salmonella* mobile strains, for the preparation of the enrichment broth for *E. coli* O157 and for the determination of *Shigella* in samples of the food chain.

#### VIAL CONTENTS

Novobiocin..... 10 mg

#### DIRECTIONS

##### SALMONELLA:

reconstitute the contents of the vial of Novobiocin Antimicrobial Supplement with 5 ml of sterile distilled water with the precautions of asepsis. Prepare 1000 ml of Modified Rappaport Vassiliadis Semi-Solid Medium (MSRV) cooled to 45-50 ° C and add the reconstituted supplement. Mix well and distribute into sterile Petri dishes. Allow the plates to dry for 1 hour. Final novobiocin concentration: 10 mg / L of medium).

##### E.COLI O157:

reconstitute the contents of the vial of Novobiocin Antimicrobial Supplement with 5 ml of sterile distilled water with the precautions of asepsis. Suspend 31.5 of Tryptic Soy Broth Modified (m-TSB) in 1000 ml of cold distilled water; heat until complete dissolution, distribute 225 ml per bottle and sterilize in autoclave at 121 ° C for 15 minutes, cool at 45-50 ° C, add 2.25 ml of previously reconstituted novobiocin solution (final concentration: 4.5 mg / 225 ml - 20 mg / liter).

##### SHIGELLA:

dissolve the contents of the Novobiocin bottle with 4 mL of sterile purified water and add 50 µL of this solution to the 225 mL bottle of *Shigella* Broth Base, previously autoclaved and cooled, (final concentration 0.125 mg / vial equal to 0.5 µg / mL in the broth complete with sample).

- Added to the MRSV medium the supplement allows the isolation of *Salmonella* mobile strains in accordance with ISO 6579. For a complete description of the method, see the technical data sheet of Modified Rappaport Vassiliadis Semi-Solid Medium (MSRV, REF 401982).

- Added to the m-TSB the supplement allows the selective isolation of *E. coli* O157 from food samples in accordance with ISO 16654. For a complete description of the method, see the technical data sheet of Tryptic Soy Broth Modified (REF. 402155M).

- Added to the ground *Shigella* Broth Base the supplement gives the enrichment broth a selective action towards Gram positive bacteria and some Gram negative bacteria such as *Proteus* spp,

For a complete description of the method of use of the *Shigella* Broth medium, see the powder technical data sheet (REF 402040)

#### STORAGE

Store at 2-8° - When stored as directed the supplement remains stable until the expiry date shown on the label. Do not use beyond stated expiry date. Discard if there are signs of deterioration. Shelf Life: 16 months.

#### PRECAUTIONS AND WARNING

The supplement should be used only by adequately trained personnel with knowledge of microbiological techniques in the laboratory.

Consult the material safety data sheet before the use.

The Certificates of Analysis and the Safety Data Sheet of the product are available on the website [www.biolifeitaliana.it](http://www.biolifeitaliana.it).

#### PACKAGING

Product	Type	Cat. N°	Packaging
Novobiocin Antimicrobial Supplement	Lyophilized Supplement	4240045	10 vials, 10 mg each



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