

Shigella Selective Supplement

Intended Use

An antibiotic supplement recommended for the selective isolation and cultivation of *Shigella* species.

Summary & Principle

Shigella are gram negative, non-motile, non-spore forming rod-shaped bacteria closely related to *Escherichia coli* and *Salmonella*. *Shigella* infection is typically via ingestion (faecal-oral contamination), depending on age and condition of the host, as few as 10 bacterial cells can be enough to cause an infection. *Shigella* causes dysentery that results in the destruction of the epithelial cells of the intestinal mucosa in the cecum and rectum. Some strains produce enterotoxin and Shiga toxin, similar to the verotoxin of *E. coli* O157:H7. The addition of antibiotics increases the selectivity of the medium.

Reagents / Contents

Each vial, sufficient for 1000 mL medium contains:

Novobiocin 0.550 mg

Storage and Stability

1. Store the Microxpress® Shigella Selective Supplement kit at 2°C-8°C, away from light.
2. Stability of the Microxpress® Shigella Selective Supplement kit is as per the expiry date mentioned on the label.

Directions

1. Mix well and aseptically add 1 vial (5 mL) to 1000 mL sterile, molten, cooled (45°C-50°C) Shigella Broth Base.
2. Mix well and dispense as desired.

Interpretation of results

Refer to appropriate references and procedures for results.

Quality Control

Cultural characteristics observed with addition of Shigella Selective Supplement in Shigella Broth Base, after an incubation for 18-24 hours at 35°C-37°C.

Organisms (ATCC)	Growth
<i>Shigella dysenteriae</i> (13313)	Good
<i>Shigella flexneri</i> (12022)	Good
<i>Shigella sonnei</i> (25931)	Good
<i>Staphylococcus aureus</i> (25923)	Inhibited

Remarks

1. Do not use cracked or broken vials.
2. Good laboratory practices and hazard precautions must be observed at all times.

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

1. Data on file: Microxpress®, A division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.

204191470005

Product description

Media Selective Supplement

Pack Size

5 Vials

 Temperature limit	 Manufacturer	 Batch code	 Contains sufficient for <n> tests	 This way up
 Catalogue Number	 Consult Instructions for use	 Use-by date	 Date of Manufacture	 Dehydrated Culture Media Supplements for Microbiological applications

Revision: 0826/VER-02

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.