

Fraser Supplement

Intended Use

An antibiotic supplement recommended for the selective isolation, cultivation and identification of *Listeria monocytogenes* from foods, animals feed and environmental specimens.

Summary

Listeria monocytogenes is a Gram-positive, non-spore forming, aerobic to facultatively anaerobic, rod-shaped bacterium which exhibits pathogenicity towards humans and other animals. Although not generally recognized as a food-borne pathogen, three recent outbreaks of listeriosis may indicate that this organism is becoming more prevalent as an agent of food-borne disease. Fraser supplements are based on the formulation of Fraser and Sperber. Fraser supplement recommended by ISO committee for selective isolation and enumeration of *Listeria monocytogenes* from food, animal feeds etc. This selective enrichment results in a higher detection rate of *Listeria monocytogenes*.

Principle

The incorporation of Ferric ammonium citrate suppresses the growth of microorganisms without interfering with the growth of *Listeria monocytogenes*.

Reagents / Contents

Composition per vial sufficient for 500 mL of medium:

Ferric ammonium citrate 250.00 mg

Storage and Stability

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

Directions

1. Rehydrate the contents of 1 vial aseptically with 2 mL sterile distilled water.
2. Mix well and aseptically add 2 vials of Fraser supplement to 1000 mL sterile Fraser Broth Base / Fraser Broth Base ISO.
3. Add 1 vial of Fraser Selective Supplement / Fraser Selective Supplement ISO.
4. Mix well before dispensing as desired.

Interpretation of results

Refer to appropriate references and procedures for results.

Quality Control

Cultural characteristics observed after an incubation of 40-48 hours at 35°C-37°C when added to Fraser Broth Base with Fraser selective supplement.

Organisms (ATCC)	Growth	Esculin hydrolysis
<i>Listeria monocytogenes</i> serotype 4b (19115)	Good	+
<i>Listeria monocytogenes</i> strain Li 23 (19114)	Good	+
<i>Enterococcus faecalis</i> (29212)	Inhibited	-
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (25923)	Inhibited	-
<i>Escherichia coli</i> (25922)	Inhibited	-

Key: + = (Positive) Blackening of medium

- = Negative

Remarks

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

Warranty










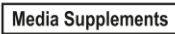
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

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

Product Presentation:

Cat No.	Product description	Pack Size
204060360010	Media Selective Supplement	10 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: 1125/VER-03

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.
