

KIT SFK 1 (SWAB FRASER KIT)

(ISO 18593, ISO 11290)

Device used for the Listeria microbiological monitoring of surfaces by swab sampling method.

DESCRIPTION

Device consisting of a rayon swab and a test tube containing "Listeria Half Fraser Broth" (UNI EN ISO 11290), a selective enrichment broth for the detection of Listeria spp. in the food industry.



PRINCIPLE

Enzymatic digest of animal tissues, enzymatic digest of casein and meat extract provide nitrogen, vitamins, minerals and amino acids for organisms growth. Yeast extract is a source of vitamins, particularly of B-group. Sodium chloride maintains the osmotic balance of the medium and in a so high concentration inhibits enterococci. Potassium and sodium phosphates act as buffer system. Aesculin is hydrolyzed by all Listeria species to aesculetin. Lithium chloride is inhibitory for the accompanying flora. Acriflavine and nalidixic acid are selective agents. Ferric ions provided by ammonium iron(III) citrate will react with aesculetin producing a blackening of the medium.

LISTERIA HALF FRASER BROTH:

COMPOSITION	g/L
Enzymatic Digest of Animal Tissues	5.0
Enzymatic Digest of Casein	5.0
Meat Extract	5.0
Yeast Extract	5.0
Sodium Chloride	20.0
Disodium Phosphate Anhydrous	9.6
Potassium Dihydrogen Phosphate	1.35
Aesculin	1.0
Lithium Chloride	3.0
Nalidixic Acid	0.01
Acriflavine	0.0125

Final pH 7,2 ± 0,2 at 25°C

WARNING AND PRECAUTIONS

Observe the precautions normally taken when handling laboratory reagents.

Prepared Medium: The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

Safety Data Sheet is available on request for professional users.

Disposal of waste must be carried out according to national and local regulations in force.

STORAGE AND STABILITY

KIT SFK 1 (SWAB FRASER KIT)	2-8°C
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KIT SFK 1 is stable until the expiration date indicated on the label under the recommended storage conditions.

PROCEDURE

- 1) Remove the swab and tube containing Listeria Half Fraser Broth from the box.
- 2) Open the blister pack and remove the swab from the pack.
- 3) Streak the swab on a surface horizontally and vertically. A Sampling Template 10x10 (REF. **4500/SG/CS**) can be used to delimit and sample an area of 100 cm². To facilitate collection, soak the swab in the solution contained in the tube.
- 4) Return the swab to the tube.
- 5) Screw the cap and record date and the sampling point.
- 6) Transport the device to the laboratory and examine according to methods in use.

QUALITY CONTROL: Listeria Half Fraser Broth

Appearance: Amber solution, slightly opalescent.

In accordance with the predefined Company Quality System, each lot of **KIT SFK 1** is tested against predetermined specifications to ensure consistent product quality.

REFERENCES

- ISO 18593:2018. Microbiology of the food chain — Horizontal methods for surface sampling.
- ISO 11290-1/2:2017. Microbiology of the food chain — Horizontal method for the detection and enumeration of Listeria monocytogenes and of Listeria spp. — Part 1: Detection method. Part 2: Enumeration method.

PRESENTATION

Packaging
REF.

KIT SFK 1 (SWAB FRASER KIT)

100 pcs
32080

The kit includes:

- n. **100 Tubes (16x100 mm, with internal shaped conical bottom and screw cap, sterile) containing 10 mL of Listeria Half Fraser Broth;**
- n. **100 Rayon Swab (breakable plastic shaft, sterile, in single blister).**

STERILE SAMPLING TEMPLATE 10x10 cm (sterile, in single blister)

120 pcs 4500/SG/CS

SYMBOLS


Read the instructions

Biological hazard

CE Mark (product complies with the requirements of Regulation (EU) 746/2017)

Temperature limitation

Use by

For in vitro diagnostic use

Manufacturer