

SPONGE SAMPLING KIT:

SPONGE SAMPLING KIT 1

SPONGE KIT 2/ MRD

SPONGE KIT 3/LISTERIA

SPONGE KIT 4/SALMONELLA

SPONGE KIT 5/SALMONELLA

(ISO 18593)

(ISO 18593, ISO 6887)

(ISO 18593, ISO 11290)

(ISO 18593, ISO 6579)

(ISO 18593, ISO 17604)

Devices used for the microbiological monitoring of surfaces and animal carcass by sponge sampling method.

DESCRIPTION

Device consisting of a dry sterile sponge (ideal to sample large areas or animal carcass) and a test tube containing the appropriate medium for the type of sampling, in order to perform qualitative analyzes (detection of *Listeria*, *Salmonella*, *E. coli*) and / or quantitative type in accordance with ISO standards. The sponges (developed on the basis of studies conducted at the Banting Research Center of Health (Canada), as the best device for the recovery of pathogenic microorganisms of food interest) are dry, sterile and contained in polyethylene bags. They allow to sample much larger, irregular and not smooth surfaces, with a high microbial content than swabs. The sponge is made of a material free of inhibiting substances and suitable for guaranteeing the maximum recovery of all microorganisms.

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

SPONGE SAMPLING KIT 1	10-25°C
SPONGE KIT 2/MRD	10-25°C
SPONGE KIT 3/LISTERIA	2-8°C
SPONGE KIT 4/SALMONELLA	10-25°C
SPONGE KIT 5/SALMONELLA	10-25°C

SPONGE SAMPLING KIT is stable until the expiration date indicated on the label under the recommended storage conditions.

PROCEDURE

- 1) Label the sample bag with sufficient detail;
- 2) Moisten the sponge, without using excess fluid, using the diluent if dry surfaces have to be sampled;
- 3) Remove the sponge from the plastic bag;
- 4) Sample the chosen surface in two perpendicular directions, changing the face of the sponge. A Sampling Template 10x10 (REF. 4500/SG/CS) can be used to delimit and sample an area of 100 cm².
- 5) Return the sponge to the plastic bag;
- 6) Add a known volume of diluent so that the sponge will be still moist at the time of analysis, and close the bag in a manner that will ensure no leakage.
For carcass sampling (ISO 17604 / ISO 6887-1), before carrying out the microbiological tests, add the diluent up to a final volume of 25 ml.
- 7) Transport the device to the laboratory at refrigerated temperature (1-8°C) and examine according to methods used in food microbiology within 24 hours of sampling. If analysis cannot be performed immediately, store samples at 3 °C ± 2 °C for up to 48 hours after sampling.

QUALITY CONTROL

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

REFERENCES

- UNI EN ISO 6579-1:2020. Microbiology of the food chain - Horizontal method for the detection, enumeration and serotyping of *Salmonella* - Part 1: Detection of *Salmonella* spp.
- ISO 18593:2018. Microbiology of the food chain — Horizontal methods for surface sampling.
- EN ISO 6887-1:2017. Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 1: General rules for the preparation of the initial suspension and decimal dilutions.
- 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.
- UNI EN ISO 17604:2015. Microbiology of the food chain - Carcass sampling for microbiological analysis
- ISO/TS 6579:2012. Microbiology of food and animal feed — Horizontal method for the detection, enumeration and serotyping of *Salmonella* — Part 2: Enumeration by a miniaturized most probable number technique.

SPONGE SAMPLING KIT 1

REF. 32224

Device consisting of a dry sterile sponge (to sample large areas) and a test tube containing Neutralizing Diluent (UNI EN ISO 18593); it is used for microbiological analysis in the food, pharmaceutical and cosmetic industries, in order to neutralize the possible presence of disinfecting or sanitizing agents on the analyzed surfaces.

FORMULA (g/L) NEUTRALIZING DILUENT:

Peptone 1.0, Sodium chloride 8.5, Polysorbate 80 (Tween 80) 30.0, Lecithin 3.0, Sodium thiosulphate 5.0, L-histidine 1.0, Saponin 30.0. Final pH at 25°C: 7.0±0.2



The kit includes:

- n. 100 Tubes (16x100 mm, with internal shaped conical bottom and screw cap, sterile) containing 10 mL of Neutralizing Diluent;
- n. 100 Dry sterile sponges (dimensions 40x70mm; individually wrapped into sterile bag 115x230mm – 540 mL capacity, with writing area).

SPONGE KIT 2/MRD

REF. 32108

System for microbiological monitoring of bacteria and fungi on surfaces consisting of a sponge and a tube containing Maximum Recovery Diluent (Peptone Saline Solution, UNI EN ISO 6887-1).

FORMULA (g/L) MAXIMUM RECOVERY DILUENT:

Tryptone (Enzymatic digest of casein) 1.0, Sodium chloride 8.5. Final pH at 25°C: 7.0±0.2

The kit includes:

- n. 100 Tubes (16x100 mm, with internal shaped conical bottom and screw cap, sterile) containing 9 mL of Maximum Recovery Diluent;
- n. 100 Dry sterile sponges (dimensions 40x70mm; individually wrapped into sterile bag 115x230mm – 540 mL capacity, with writing area).

SPONGE KIT 3/LISTERIA

REF. 32112

Device consisting of a dry sterile sponge (to sample large areas) and a test tube containing Listeria Half Fraser Broth (UNI EN ISO 11290); a selective enrichment broth for the detection of Listeria spp. in food industry.

FORMULA (g/L) LISTERIA HALF FRASER BROTH:

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 at 25°C: 7.2±0.2



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 Dry sterile sponges (dimensions 40x70mm; individually wrapped into sterile bag 115x230mm – 540 mL capacity, with writing area).

SPONGE KIT 4/SALMONELLA

REF. 32114

Device consisting of a dry sterile sponge (to sample large areas according to UNI EN ISO 18593, UNI EN ISO 17604) and a test tube containing "Buffered Peptone Water" (UNI EN ISO 6579), a pre-enrichment broth for the detection of Salmonella in food industry.

FORMULA (g/L) BUFFERED PEPTONE WATER:

Enzymatic Digest of Casein 10.0, Sodium Chloride 5.0, Disodium Hydrogen Phosphate 3.5, Potassium Dihydrogen Phosphate 1.5. Final pH at 25°C: 7.0±0.2

The kit includes:

n. 100 Tubes (16x100 mm, with internal shaped conical bottom and screw cap, sterile) containing 9 mL of Buffered Peptone Water;
n. 100 Dry sterile sponges (dimensions 40x70mm; individually wrapped into sterile bag 115x230mm – 540 mL capacity, with writing area).

SPONGE KIT 5/SALMONELLA

REF. 32116

System for sampling carcasses by the sponge method (UNI EN ISO 18593, UNI EN ISO 17604).

FORMULA (g/L) BUFFERED PEPTONE WATER:

Enzymatic Digest of Casein 10.0, Sodium Chloride 5.0, Disodium Hydrogen Phosphate 3.5, Potassium Dihydrogen Phosphate 1.5. Final pH at 25°C: 7.0±0.2



The kit includes:

n. 100 Tubes containing 9 mL of Buffered Peptone Water;
n. 100 Tubes containing 16 mL of Buffered Peptone Water;
n.100 Dry sterile sponges (dimensions 40x70mm; individually wrapped into sterile bag 115x230mm – 540 mL capacity, with writing area).

SYMBOLS



Read the instructions



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



Temperature limitation



For in vitro diagnostic use



Biological hazard



Use by



Manufacturer