



LISTERISWABS-GREEN

Easy, fast and reliable detection of *Listeria spp.* on surfaces for a microbiological HACCP.

WHAT'S LISTERISWABS-GREEN?

LISTERISWABS-GREEN is an **easy, fast and reliable tool**, specifically designed to speed up and simplify the control of surfaces contaminated with *Listeria*, which in HACCP and GMP are one of the most critical points in the food industry, kitchens, refrigerators, restaurants, supermarkets, food transportation...

MICROKIT Laboratories has designed **LISTERISWABS-GREEN** to address the disadvantage of traditional LISTERIA-SWABS kits which use a semisolid version of ISO 11290 broth that inform about *Listeria spp.* presumptive positive due to the turning to black of Esculine, and that is the reason why in some media false positives of non *Listeria spp.* microorganisms were frequently obtained. Instead, **LISTERISWABS-GREEN** is directly elaborated with the Agar Ottaviani & Agosti ISO 11290:2004, which turns from cream color to blue-green only if *Listeria spp.* is present, and therefore the results are much more universally reliable



As this kind of kits, **LISTERISWABS-GREEN** is used for negative screening and scanning of negative samples, since *Listeria monocytogenes* is present (turn to green), *Listeria spp.* is also present, which allows to save time in all non-*Listeria* samples and only confirm that those with *Listeria spp.* are really *Listeria monocytogenes*.

BENEFITS (1-4)

Easy:

Compact design, with a sterile swab in a plastic tube and a glass tube containing a semisolid, cream color medium. The form of use is as easy as sweeping the swab on the chosen surface (work surfaces, workers, pipes' inside, walls and floors, an already elaborated product...), introduce it and nailing it in the medium, put it back to the original plastic, close the glass tube with the medium, so inoculated, and take it to incubate at 37°C for 18h (up to 48h max).

Easy interpretation of the result:

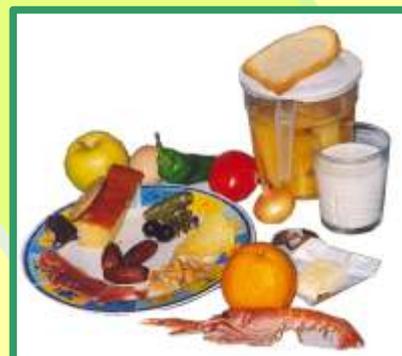
Listeria presence is proved when the cream color turns to blue-green, the turning is very visible in the medium surface and it is faster and global the higher concentration of *Listeria* in the surface. The lack of change of color shows the cleanliness of *Listeria*. Additional reagents are not needed.

Fast:

Results in 18-48 hours, depending on the concentration on *Listeria*.

Reliable:

It is a part of the HACCP and GMP programs. The intern validation study showed a detection limit as excellent as 5-7ufc/swab swept, and there was not a single interference with positive esculin microorganisms that were not *Listeria*, whereas all *Listeria monocytogenes* (and other *Listeria spp.* strains) showed a real positive.



LISTERISWABS-GREEN



BENEFITS (5-8)

Safe:

Safety cap prevents the accidental output from the swab or the tube with the growth medium.

Sterile:

LISTERISWABS-GREEN is sterile, as well as the swab in the tube with the medium.

Product life:

12 months since the date of manufacture.

Storage conditions:

Refrigerator is not needed. To be kept in a fresh and dry place, with a temperature between 5°C and 25°C, but protected from any source of light. Do not freeze.

HOW TO USE AND INTERPRETATION OF RESULTS

1. Take the swab out of its plastic tube.
2. Sweep the swab on the wanted surface as broadly as possible. First, wet the swap with distilled water (or clean chlorine free water) only in case the surface is dry.
3. Unscrew the glass tube's cap.
4. Introduce the swab inside the culture medium. Press down nail it once to ensure that the introduction is complete (but without destroying the medium by introducing and extracting with excessive force). Close cap.
5. Write on the tube the date, place and time of sampling.
6. Incubate at 35-37°C for up to 48h. Results can be read after 18 hours. However, if negative, it must be incubated other 24-30 hours until a total of 48h.
7. Read the results. The result is considered positive when the color of the surface of the medium turns from cream to blue-green, the faster and more global, the higher concentration of *Listeria* on the surface. The result is considered negative if such color change does not happen and all the tube remains cream color.
8. Positive samples must be confirmed in the laboratory, with a simple reseeded in an Agar Ottaviani&Agosti plate (MICROKIT Chromocytogenes PPL970, DMT700 with SMT700+) in order to confirm that this is *L.monocytogenes*, although during the whole process, even before confirmation in the laboratory, corrective measures should be taken to eliminate *Listeria* detected by the kit..



TAKE CARE:

25% of smoked fish samples , 9% of sliced sausage and many cheeses, ice cream, ready meals and frozen meals are contaminated with *Listeria monocytogenes*! Take a quick negative screening and locate the critical points with their presence, it is hidden in factories, cutting wheels, kitchens, refrigerators, restaurants...

HOW TO ORDER:

Reference MW370, 40 test packages (40 tubes with medium and 40 swabs).

- If you need to count *Listeria* on surfaces, use MICROKIT's DESINFECTEST®-STAF/LIS (MBN106), culture plate with one side of classic's Agar Palcam.

The user is the only responsible for the destruction of microorganisms generated in the interior of the kit during its use, in accordance with current legislation. Soak in bleach or alcohol, or better auto-nail them, before disposing in the trash. Keep out of reach of children. Do not ingest.