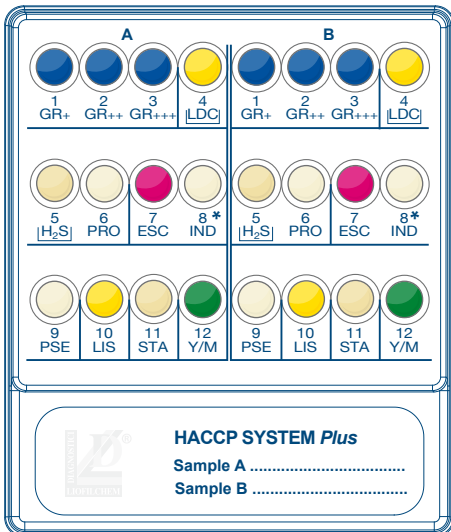


HACCP SYSTEM *Plus*

Total bacterial count and direct Identification of the main pathogenic microorganisms from Surfaces

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★ Bacterial count

- Low microbial contamination (4-50 CFU/cm²)
- Moderate microbial contamination (50-500 CFU/cm²)
- High microbial contamination (>500 CFU/cm²)

★ Microbial Identification

Salmonella spp.

Citrobacter spp.

Proteus spp./*Providencia* spp.

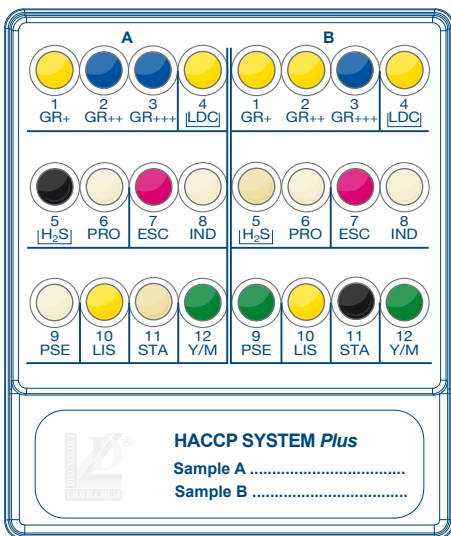
Escherichia coli

Pseudomonas spp.

Listeria spp.

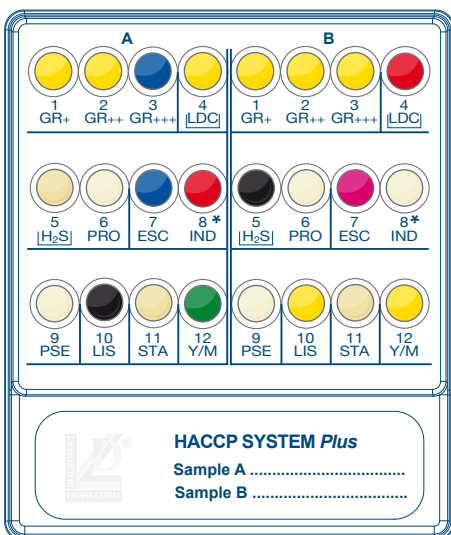
Staphylococcus aureus

Yeasts and Moulds



★ Benefits

- ✓ Direct inoculation from surface samples
- ✓ Conveniently designed for two tests
- ✓ Results ready in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation



HACCP SYSTEM *Plus*

Results

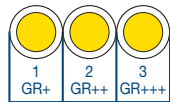
Bacterial Count



Low contamination

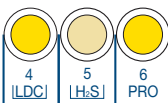


Moderate contamination

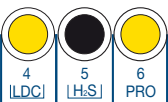


High contamination

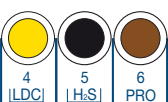
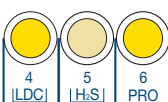
Identification



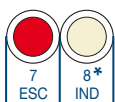
Salmonella spp.
• positive agglutination test



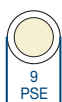
Citrobacter spp.
• negative agglutination test



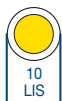
Proteus spp.
Providencia spp.



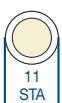
Escherichia coli
• positive indole test



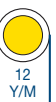
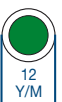
Pseudomonas spp.
• positive oxidase test



Listeria spp.
• culture medium confirmation



Staphylococcus aureus
• positive agglutination test



Yeasts and Moulds
- confirm at the microscope

| DESCRIPTION | PACKAGING | REF. |
|--------------------------|-----------|-------|
| HACCP SYSTEM <i>Plus</i> | 40 tests | 71655 |
| KOVAC'S - REAGENT | 4X25 mL | 80271 |
| OXIDASE TEST STICK | 50 sticks | 88029 |
| VASELINE OIL | 4X50 mL | 80279 |

Test Procedure



1

- Define a surface area of 10x10 cm and streak it several times with a swab.
- Keep the swab in a transport medium until the test performance.



2

- After collection, immerse the swab in the vial of Inoculum Solution and wait 5 minutes.
- Distribute 0.2 mL of the sample suspension into each well of the system.



3

- Cover the well 4-LDC and 5-H₂S with one drop of vaseline oil and incubate at 36±1°C for 18-24 hours.



4

- Add 2 drops of Kovac's Reagent to the well 8-IND for confirming the relevant ID.



5

- Confirm Yeasts and Moulds by taking a drop from the well 12-Y/M and watch for spores at the microscope (400x).



6

- Note down the test results on the form provided in the kit, or read and interpret with **automatic readers**.