

# FOOD SYSTEM

Direct Identification of the main pathogenic microorganisms from Foodstuffs

## ★ Microbial identification

*Salmonella* spp.  
*Citrobacter* spp.  
*Proteus* spp./*Providencia* spp.  
*Pseudomonas* spp.  
*Staphylococcus aureus*  
*Escherichia coli*, *E. coli* 0157  
*Bacillus cereus*  
*Listeria* spp.  
Yeasts and moulds

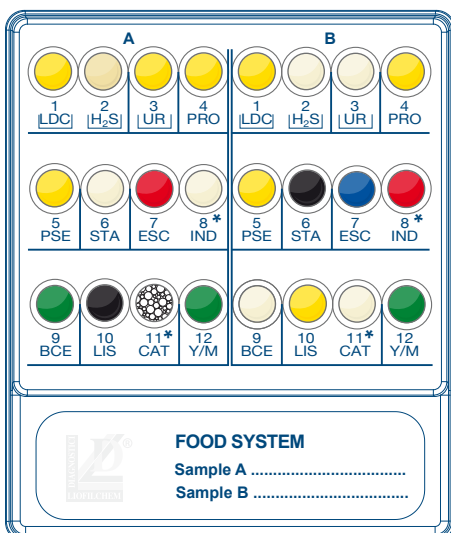
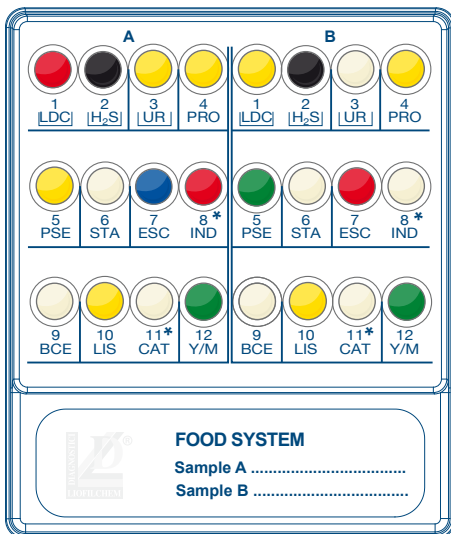
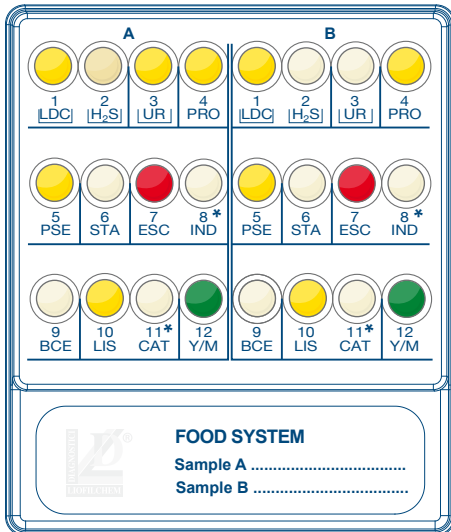
## ★ Validated to ISO 16140

Microbiology of food and animal feeding stuffs:  
protocol for the validation of alternative methods  
*Listeria* spp.  
*Salmonella* spp.

## ★ Benefits

- ✓ Inoculation from foodstuffs suspension
- ✓ Conveniently designed for two tests
- ✓ Results ready in 18-24 hours
- ✓ Clear and well defined color changes
- ✓ Easy interpretation

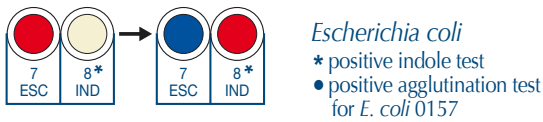
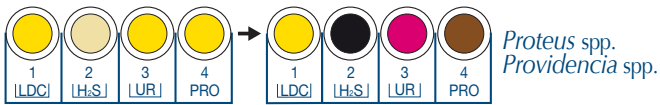
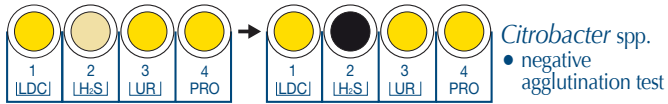
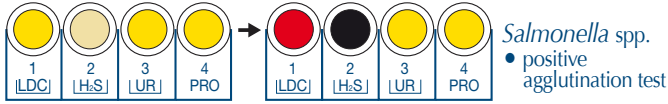
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## Results

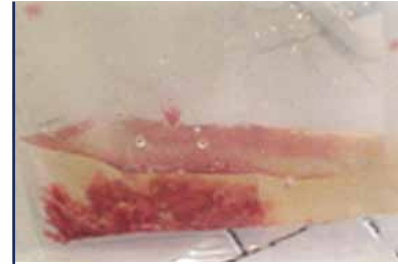
### Identification



## Test Procedure



- 1**
- Homogenize a quantity of foodstuff (1, 10 or 25 g) in an appropriate volume (9, 90 or 225 mL) of BUFFERED PEPTONE WATER or RINGER'S Solution. The final dilution of the sample should be 1:10.



- 2**
- Transfer 10 mL of homogenized sample into a suitable tube. (dil. 1:10)
  - Incubate at 36±1°C for 4-6 hours.



- 3**
- Transfer 0.5 mL of sample suspension into a vial of Physiological Solution contained in the kit.



- 4**
- Distribute 0.2 mL of suspension into each well of the system.
  - Cover the wells 1-LDC, 2-H2S and 3-UR with one drop of vaseline oil and incubate at 36±1°C for 18-24 hours.



- 5**
- Add 2 drops of Kovac's Reagent to the well 8-IND for confirming the relevant ID.
  - Add 2 drops of Reagent H<sub>2</sub>O<sub>2</sub> to the well 11-CAT and watch for the formation of bubbles.



- 6**
- Confirm Yeasts and Moulds by taking a drop from the well 12-Y/M and watch for spores at the microscope (400x).
  - Note down the test results on the form provided in the kit, or read and interpret with **automatic readers**.

DESCRIPTION	PACKAGING	REF.
FOOD SYSTEM	40 tests	71680
H <sub>2</sub> O <sub>2</sub> REAGENT	10 mL	80057
KOVAC'S - REAGENT	4X25 mL	80271
OXIDASE TEST STICK	50 sticks	88029
VASELINE OIL	4X50 mL	80279