

**PATHOGENS**

## MICROLAB

Would you like to test pathogens, **but you DON'T have a laboratory or qualified personnel?**

Do you want to analyze pathogens **WITHOUT risk of contamination?**

Microlab integrates all the assay steps in a single disposable device. It facilitates and speeds up the results while minimizing production losses in case of contamination.



### A Salmonella or Listeria detection lab in your hands



#### EASY

- Enrichment and detection in the same device.
- Procedure in 3 simple steps.
- Visual interpretation of the result.
- Easy to be performed by any operator.

#### SAFE

- Samples remain in the device during the whole assay. There is no sample transfer between steps.
- Hermetically sealed. Without any risk of sample leaks.
- Samples are inactivated at the end of the assay.

#### WITHOUT LABORATORY

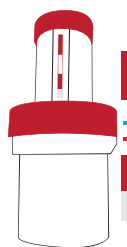
- No laboratory facilities are required. Only an incubator at 37°C.
- No aseptic or sterile conditions are required.

### Assay procedure



#### 1. Enrichment

Place the sample, close and incubate for 24/48 hours (Salmonella or Listeria)



#### 2. Testing

Read the result after 15 minutes



#### 3. Inactivation

Inactivate and dispose it as a solid urban waste

## SPECIES DETECTED WITH MICROLAB



### MICROLAB Salmonella



### MICROLAB Listeria *monocytogenes*

Species (serovar)	MicroLab Detect Result
<i>S. enterica</i> Enteritidis	+
<i>S. enterica</i> Typhimurium 1,4,[5],12:i:-	+
<i>S. enterica</i> Typhimurium	+
<i>S. enterica</i> Infantis	+
<i>S. enterica</i> Stanley	+
<i>S. enterica</i> Thompson	+
<i>S. enterica</i> Newport	+
<i>S. enterica</i> Derby	+
<i>S. enterica</i> Panama	+
<i>S. enterica</i> Kentucky	+
<i>Citrobacter freundii</i>	-
<i>Citrobacter koseri</i>	-
<i>Cronobacter sakazakii</i>	-
<i>Enterobacter cloacae</i>	-
<i>Escherichia coli</i>	-
<i>Pseudomonas aeruginosa</i>	-
<i>Proteus vulgaris</i>	-
<i>Shigella dysenteriae</i>	-
<i>Shigella flexneri</i>	-
<i>Shigella sonnei</i>	-

Inclusivity and exclusivity of MicroLab Detect Salmonella. The table shows the results for the 10 *Salmonella* serovars most frequently associated with cases of salmonellosis in the EU (79.3% of the total cases confirmed in the EU) and for another 10 representative species of Gram-negative microorganisms.

Species (serotype)	MicroLab Detect Result
<i>Listeria monocytogenes</i> 1/2a	+
<i>Listeria monocytogenes</i> 1/2b	+
<i>Listeria monocytogenes</i> 1/2c	+
<i>Listeria monocytogenes</i> 3a	+
<i>Listeria monocytogenes</i> 3b	+
<i>Listeria monocytogenes</i> 3c	+
<i>Listeria monocytogenes</i> 4a	+
<i>Listeria monocytogenes</i> 4b	+
<i>Listeria monocytogenes</i> 4c	+
<i>Listeria monocytogenes</i> 4d	+
<i>Listeria grayi</i>	-
<i>Listeria innocua</i>	+
<i>Listeria ivanovii</i>	-
<i>Listeria seeligeri</i>	-
<i>Listeria welshimeri</i>	-
<i>Bacillus subtilis</i>	-
<i>Brochothrix thermosphacta</i>	-
<i>Lactobacillus</i> spp.	-
<i>Streptococcus thermophilus</i>	-
<i>Staphylococcus aureus</i>	-

Inclusivity and exclusivity of MicroLab Detect Listeria. The table shows the results for 10 serotypes of *L. monocytogenes*, another 5 species of the genus *Listeria* and 5 representative species of Gram-positive microorganisms.