

Product Name : Listeria-mono Test

Rapid test for *Listeria monocytogenes* identification.

CONTENT OF THE PACKAGES

Listeria-mono Test Tube 20 tube
ABN disc 20 disc
Listeria-mono Test Reagent 3 ml
1 Instruction sheet

ITEMS NECESSARY NOT INCLUDED IN THE PACKAGES

- Physiological Solution (MB-20095)

INTERPRETATION

All *Listeria* species except *Listeria monocytogenes* produce enzyme amino-peptidase that hydrolyzes substrate Aminoacil- β -Naftilamide (ABN). The test is performed putting a paper disc impregnated with substratum ABN with a bacterial suspension of *Listeria* species, and incubated at 36 °C for 4 hours. Enzyme amino-peptidase is evident by a yellow coloration, after addition of 2 drops Listeria mono Reagent.

PROCEDURE

1. Pick up one tube from the kit and add 0.2 ml (2 drops) of sterile physiological solution.
2. With a sterile loop suspend inside the tube a colony well isolated from selective medium for *Listeria*.
3. Close the tube and incubate at 36 °C for 12-18-24 hours.
4. After this time introduce in the tube one ABN disc and incubate at 36 °C for 4 hours.
5. Add 2 drops of Listeria-mono Test Reagent and observe the presence or the absence of a yellow coloration.

INTERPRETATION OF THE RESULTS

The presence of yellow precipitation indicates a positive result: presence of not pathogenic *L. isteria species*
Absence of yellow coloration indicates negative results: presence of *L. isteria monocytogenes*

| Lieteria – mono test | yellow coloration |
|----------------------|-------------------|
| Positive | - |
| Negative | + |

QUALITY CONTROL FOR USE

Each lot of Lieteria – mono Test is subjected to test for *Listeria monocytogenes* identification using bacterial strains of *Listeria monocytogenes* ATCC 35152 for positive control and *Listeria ivanovii* ATCC 19119 for negative control.:

| Microorganism | Lieteria – mono test |
|--|----------------------|
| <i>Listeria monocytogenes</i> ATCC 35152 | + |
| <i>Listeria ivanovii</i> ATCC 19119 | - |

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STORE

Keep Listeria-mono Test at 2-6°C in their original packaging protected from sunlight. Keep them away from sources of heat and avoid excessive temperature fluctuations. In these conditions Listeria-mono Test are valid until the expiry date shown on the label. Do not use after expiry date. Dispose of them if they show signs of deterioration.

REFERENCES

1. Mc Lannchlin : The identification of *Listeria* species in International Journal of Food Mycrobiology 38 (1997) 77- 81
2. Bailey and Scott's. Diagnostic Microbiology. 7th ed. C.V. (1986). Mosby Company.
3. Edwin H. Lenette. Manual of Clinical Microbiology. 4th ed. (1985). AMS Washington.

PACKAGE

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| Cat. No : MB-88010 Listeria-mono Test | 20 Test |
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