CONFIRM’ SALMONELLA

CONFIRMATION OF SALMONELLAE

INTENDED USE

CONFIRM’ *Salmonella* is an agglutination Latex test for the confirmation of presumptive *Salmonella* colonies, after purification step.

CONFIRM’ *Salmonella* is also used as means of confirmation as part of a rapid alternative method of *Salmonellae* detection (IRIS *Salmonella®*), without purification step.

IRIS *Salmonella®* is officially certified by AFNOR Certification, under the reference number BKR 23/07-10/11, of which the validity runs until October 7th, 2015.

PRINCIPLES

- Polyvalent antisera against main flagellar and membrane antigens of *Salmonellae* were prepared. Purified antibodies have been fixed to latex particles. In presence of *Salmonellae*, latex particles crowd rapidly to form visible clumps.
- Negative control solution is a solution of sodium azide and physiologic water.
- Positive control solution is an inactivated preparation of *Salmonellae* antigens preserved with sodium azide.
- The kit allows the revelation of *Salmonellae* own to O:2 to O:52 group.

INSTRUCTIONS OF USE

Allow all reagents to reach room temperature before use.

Autoagglutination test :

- Use a fresh culture of the strain to be tested (after the purification step or directly form IRIS *Salmonella®* Agar).
- Dispense one drop of R3 solution (Negative Control) into a circle.
- Using a sterile inoculating loop, remove a colony and emulsify the colony in the drop of saline to produce a heavy smooth suspension.
- Rock the slide gently for up to two minutes. Absence of agglutination has to be observed. In other case, it is an autoagglutination of the strain and the test is not feasible.

Test :

- Shake gently the reagent R1 (Latex Test) and add one drop to a second circle.
- Using a sterile inoculating loop, remove a colony and mix.
- Rock the slide gently for up to two minutes
- Observe for the agglutination. Agglutination in 2 minutes indicates the affiliation of the strain to *Salmonellae* type.

cf. ANNEX 1 : PHOTO SUPPORT
Controls below should be done periodically to check the correct working of the latex reagents.

**Negative control**
- Add one drop of reactive R1 (Latex Test) to one drop of reactive R3 (Negative Control) in a same circle on a slide.
- Mix and spread the liquid over the entire area of the circle with a sterile stick.
- Rock the slide gently for 2 minutes and observe for agglutination. If any agglutination is seen, the kit is contaminated and should be discarded. In other case, le kit is contaminated and do not be used.

**Reagent control**
- In another circle, add a drop of solution R2 (Positive Control).
- Add a drop of Reagent R1 (Latex Test)and mix on all the surface of the circle with a sterile stick.
- Rock the slide gently for 2 minutes.
- Agglutination should be visible within 2 minutes.
- If no agglutination is seen, a fresh kit should be used.

## 4 QUALITY CONTROL

- Latex *Salmonella* R1 Reagent : white milky suspension.
- Positive control R2 control : white opalescent solution.
- Negative control R3 control : colorless and limpid solution.
- Results of agglutination testing:

<table>
<thead>
<tr>
<th>Microorganisms</th>
<th>Agglutination</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Salmonella Typhimurium</em></td>
<td>Positive</td>
</tr>
<tr>
<td><em>Salmonella Enteritidis</em></td>
<td>Positive</td>
</tr>
<tr>
<td>Positive control (R2)</td>
<td>Positive</td>
</tr>
<tr>
<td><em>Escherichia coli</em></td>
<td>Negative</td>
</tr>
<tr>
<td>Negative control (R3)</td>
<td>Negative</td>
</tr>
</tbody>
</table>

## 5 STORAGE

Store between 2 and 8°C, shielded from light. The expiration date is indicated on the label.

## 6 PRESENTATION

Kit of 50 tests .................................................................................................................................................. BT01108

Kit composition : Reagent R1 (Latex Test) + Solution R2 (Positive Control) + Solution R3 (Negative Control) + disposable agglutination slide + disposable mixing stick.

## 7 BIBLIOGRAPHY


## 8 ADDITIONAL INFORMATION

*Benchmark value refers to the expected value under standard laboratory conditions following manufacturer's instructions. It is provided as a guide only and no warranty, implied or otherwise is associated with this information.

IRIS *Salmonella®* is a trademark of SOLABIA S.A.S.

The information provided on the package labels take precedence over the formulations or instructions described in this document and are susceptible to modification at any time, without warning.

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Creation date : 2012-12
ANNEX 1 : PHOTO SUPPORT

CONFIRM’ *Salmonella*

Confirmation test of *Salmonellae*

Methodology:

Remove a presumptive colony from IRIS *Salmonella*® Agar and mix with the reagent (R1).

<table>
<thead>
<tr>
<th><em>Salmonella</em></th>
<th>Positive agglutination</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>No Salmonella</em></td>
<td>Negative agglutination</td>
</tr>
</tbody>
</table>

Product Code:

BT01108 : Kit of 50 tests

Kit composition : Reagent R1 (Latex Test) + Solution R2 (Positive Control) + Solution R3 (Negative Control) + disposable agglutination slide + disposable mixing stick.