CONFIRM' *Salmonella*

INTENDED USE

CONFIRM' *Salmonella* is a latex agglutination test that allows the confirmation of presumed *Salmonella* colonies, following a purification step. **CONFIRM' *Salmonella*** is also used as a means to confirm *Salmonella* colonies in the context of a rapid, alternative method for the detection of *Salmonella* (**IRIS *Salmonella*®**), without purification steps, in human and animal feedstuffs as well as environmental samples (excluding samples from primary production) : it is officially certified by AFNOR Certification, under Attestation N° BKR XXXXX, of which the validity runs until XXXXX.

PRINCIPLES

Specific polyvalent antisera to the majority of flagellar and somatic antigens of *Salmonella* have been prepared. Purified antibodies are then fixed to latex particles. In the presence of *Salmonella*, the latex particles agglutinate rapidly with the aforementioned antigens and form visible clumps.

A negative control solution is included consisting of physiological water with added sodium azide. A positive control solution consists of a preparation of inactivated *Salmonella* antigens. Sodium azide is also added as a conservation agent.

The kit allows the revelation of the majority of *Salmonella* serovars including those immobile strains such as *S*. Pullorum and *S*. Gallinarum.

KIT CONTROL PRIOR TO USE

- Allow all the reagents to reach room temperature before use.

- Add one drop of reagent **R1** (Latex) to one drop of solution **R3** (negative control) in the same circle provided on an agglutination slide.
- Mix the two reagents together with the sterile mixing rod and spread over the entire area of the circle.
- Gently rock the slide with a circular motion for 2 minutes. No agglutination or clumping should be observed. If this is not the case, the kit reagents have become contaminated and should be discarded.

- In the interior of a second circle, place on drop of solution **R2** (positive control).
- Add one drop of reagent **R1** and mix the two together with the sterile mixing rod.
- Gently rock the slide with a circular motion for 2 minutes.
- The agglutination or clumping should be visible in less than 2 minutes.

Biokar Diagnostics – Rue des Quarante Mines – ZAC de Ther – Allonne – B.P. 10245 – F60002 Beauvais Cedex – France
Tel : + 33 (0)3 44 14 33 33 – Fax : + 33 (0)3 44 14 33 34 - www.biokar-diagnostics.fr

INSTRUCTIONS FOR USE

- Use a fresh culture of the strain to be tested (following purification steps or directly from IRIS *Salmonella*® Agar)
- Deposit on the circle of the agglutination slide one drop of solution **R3** (negative control).
- Pick a part of the colony to test with the aid of the sterile rod and mix with the drop of R3 in order to obtain a thick suspension covering the entire circle.
- Gently rock the agglutination slide with a circular motion for 2 minutes. No agglutination or clumping should be observed. If this is not the case, auto-agglutination of the test colony has occurred and the test can not be used.

- After having verified that the colony does not produce any auto-agglutination ;
- Shake to homogenize the vial of reagent **R1** and add one drop to a second circle on the agglutination slide.
- Pick a part of the colony to test with the aid of the sterile rod and mix with the drop of R1 over the entire area of the circle.
- Gently rock the agglutination slide with a circular motion for 2 minutes.
- Observe the presence of agglutination of clumping. The test colony belongs to the genus *Salmonella* if the agglutination is visible in less than 2 minutes.

QUALITY CONTROL

Microorganisms		Agglutination
Salmonella Typhimurium	ATCC® 14028	Positive
Salmonella Enteritidis	CIP 82.97	Positive
Positive control (**R1**)		Positive
Escherichia coli	ATCC 25922	Negative
Negative control (**R3**)		Negative

STORAGE / SHELF LIFE

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

PACKAGING

	Code
- 50 agglutination test kit	BT01108

Composed of :

Regent **R1** (Latex)
Solution **R2** : Positive control
Solution **R3** : Negative control
Disposable agglutination slides
Disposable mixing rods

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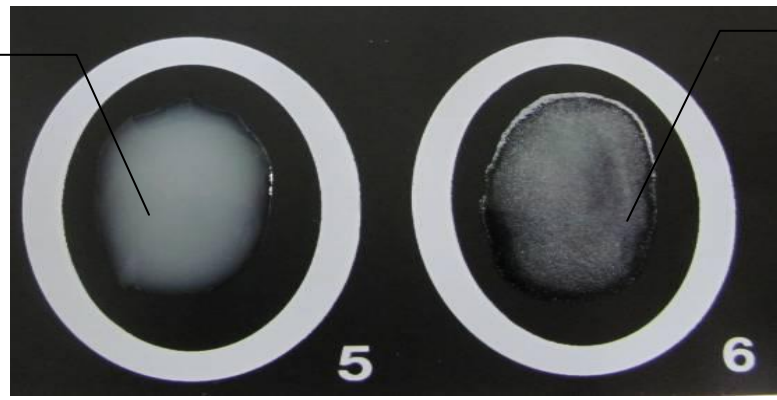
PHOTO SUPPORT :

Reference : BT01108

Intended use : *Salmonella* confirmation using latex agglutination.

Non *Salmonella*
Negative
agglutination



Salmonella

Positive agglutination

CONFIRM' *Salmonella*

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Pick a presumed *Salmonella* colony from IRIS *Salmonella*® Agar
and mix with a drop of reagent **R1**

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BIBLIOGRAPHY :

K L McGowan, M T Rubenstein, Am. J. Clin. Patho (1989), Volume**:** 92, Issue: 5, Pages: 679-682: Use of a rapid latex agglutination test to detect *Salmonella* and *Shigella* antigens from gram-negative enrichment broth.

F. Javier Gellat et al: Pure & Appl Chem., (1991), Volume 63, n°8, Pages 1131-1134 : Latex agglutination procedures in immunodiagnosis

G.R Benge, Eur. J. Clin. Microbiol. Infect. Dis., (1989), Volume 8, Pages 294-298: Detection of *Salmonella* spp. In faeces by latex agglutination in enrichment broth.

BKR XXXX-XXXX
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The information provided on the package take precedence over the formulations or instructions described in this document.
The information and specifications contained in this technical data sheet date from 2011-06-17.
They are susceptible to modification at any time, without warning.
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