**TEST SUMMARY**

The Antibodies associated with Salmonella Typhi H and Salmonella Typhi O infections cause agglutination of inactive bacteria present in suspension. The intravital colouring permits an easier reading of agglutination formation.

**SAMPLES**

Serum. Stability 6 days at 4°C.

**REAGENTS**

Suspension: Coloured intravital inactive bacterial suspension; conservative and stabilizer.

**REAGENTS PREPARATION**

Reagents are ready for the use.

**PROCEDURE**

In a 8 tubes serie (12 x 100 mm) dilute the serum in the first 7 with physiologic solution as indicated in the following table. Using the same pipette (inspiring and discharging many times) mix carefully content of the second tube and transfer 500 µl in the following tube etc. Discharge 500 µl from last test-tube (tube n°7). Discharge 500 µl from last test-tube.

<table>
<thead>
<tr>
<th>Test tubes</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>...</th>
<th>7</th>
<th>Susp. Contr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physiologic</td>
<td>900 µl</td>
<td>500 µl</td>
<td>500 µl</td>
<td>...</td>
<td>500 µl</td>
<td>500 µl</td>
</tr>
<tr>
<td>Sample</td>
<td>100 µl</td>
<td>500 µl</td>
<td>500 µl</td>
<td>...</td>
<td>500 µl</td>
<td>500 µl</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discharge 500 µl from last test-tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacterial suspension</td>
</tr>
<tr>
<td>Titre</td>
</tr>
</tbody>
</table>

Shake tubes by a sweet movement. Incube at 37°C for 16-18 h or at 22°C for 2 days.

**RESULTS INTERPRETATION**

Being given the intravital colouring of suspension, it’s possible to effect a preliminary reading without shake the tubes: A coloured bottom with a clear point shape, on the tube bottom, indicates negativity. An agglutinate that cover all the tube bottom indicates a clear positivity, while, a no uniform agglutinate with a bottom in the centre, on the tube bottom, indicate a feeble positivity. The serum titre is given by a high dilution in which there is a feeble positivity. Proceed then with a light shaking of tubes: Shake before the 8th tube (suspension control) to can characterize the suspension, then shake tubes that contain the sample and value the precipitate’s behaviour as regards that of suspension’s control. The negativity is given by absence of agglutinates (the same behaviour as regards that suspension’s control), positivity shows, on the contrary, the presence of agglutinates always as bigger as the positivity is greater.

**DIAGNOSTIC VALUES**

Titres until 1:40 are considered negative; from 1:80 to 1:160 are suspect, and from 1:320 are positive.

It is a distinctive sign for the infection diagnosis the significant increase of titre between examined samples after some days.

**NOTES**

- If the results are incompatible with clinical presentation, they have to be evaluated within a total clinical study.

**CALIBRATION/QUALITY CONTROL**

It’s advisable the execution of a quality internal control. In order to do this, are available by request the following control sera.

BS00011 | 3 x 0,5 ml |
| Positive Control Salmonella, Brucella, Proteus

**TEST PERFORMANCE**

**Sensitivity**

In presence of high antibodies titres, phenomenon of prozone can happen, therefore positivity is absent for low dilutions also being present for higher dilutions.

**Specificity**

A comparison with an available commercial method gave following results on 50 samples compared, giving a specificity = 100%.

**WASTE DISPOSAL**

Product is intended for professional laboratories. Waste products must be handled as per relevant security cards and local regulations.

**REFERENCES**


Rose N.R., Friedman H. – Manual of clinical Immunology – American Society for Microbiology, II ed.

**MANUFACTURER**

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**SYMBOLS**

IVD Only for IVD use
LOT Lot of manufacturing
REF Code number
-storage temperature interval
--- Expiration date
😊 Warning, read enclosed documents
Read the directions
 upd Biological risk

Mod. 01.06 (ver. 2.2 - 29/10/2007)