Serogrouping of Salmonella

8 antisera

Quick results
Description
The Salmonella Sero-Quick Group Kit is a screening kit for identifying Salmonella isolates to serogroup level. The kit includes antisera against the most common serogroups of Salmonella, serogroup A-G and the capsule antigen Vi.

The diagnostic Salmonella O antisera are polyclonal rabbit antisera made specific by absorption. The Vi antibody is monoclonal and purified from hybridoma culture supernatant.

Antisera are delivered in dropper bottles containing ready to use dilutions and the volumes of the antisera are differentiated according to common use. The antisera can be renewed separately. Around 100 tests can be performed with a Salmonella Sero-Quick Group Kit.

Background
Salmonella spp. are among the most common bacterial foodborne pathogens worldwide. Salmonella serogrouping can be used as a surveillance tool to identify Salmonella serogroups, either as preliminary grouping, when full serotyping can be performed by a Human or Veterinary Reference Centre or in food industry as a screening technique for Salmonella.

The most common serogroups are B, which includes S. Typhimurium and D, which includes S. Enteritidis. Vi and serogroup A are not common, but clinically important because they are expressed by S. Typhi and S. Paratyphi respectively.

Table  Designation of O groups

<table>
<thead>
<tr>
<th>Serogroup</th>
<th>Antigen present</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>O:2</td>
</tr>
<tr>
<td>B</td>
<td>O:4</td>
</tr>
<tr>
<td>C</td>
<td>O:7 or O:8</td>
</tr>
<tr>
<td>D</td>
<td>O:9 or O:9,46 or O:9,46,27</td>
</tr>
<tr>
<td>E</td>
<td>O:3,10 or O:1,3,19</td>
</tr>
<tr>
<td>F</td>
<td>O:11</td>
</tr>
<tr>
<td>G</td>
<td>O:13</td>
</tr>
</tbody>
</table>

Application
The Salmonella Sero-Quick Group Kit is intended for slide agglutination of Salmonella cultures after overnight growth on suitable culture medium, e.g. beef extract agar. We recommend the procedure described in the figure.

Storage and shelf life
Store at 2-8°C in a dark place.
Expiry date is printed on the package.

Available product
Article No. 60898
Salmonella Sero-Quick Group Kit, 1 box

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