

SALMONELLA ANTISERA KITS

Sero-Quick Group Kit

For quick serotyping of *Salmonella*

Description

The *Salmonella* Sero-Quick Group kit consists of eight antisera and is a screening kit for identifying *Salmonella* isolates to the serogroup level. The kit includes antisera against the most common serogroups of *Salmonella*, serogroup A-G and the capsule antigen Vi. Antisera are delivered in 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 serotyping 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 the food industry as a screening technique for *Salmonella*. The most common serogroups are B (*S. Typhimurium*) and D, (*S. Enteritidis*). Vi and serogroup A are not common, but clinically important because they are expressed by *S. Typhi* and *S. Paratyphi* respectively.

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 Figure 3.

Table: Designation of O groups

Serogroup	Antigen present
A	O:2
B	O:4
C	O:7 or O:8
D	O:9 or O:9,46 or O:9,46,27
E	O:3,10 or O:1,3,19
F	O:11
G	O:13

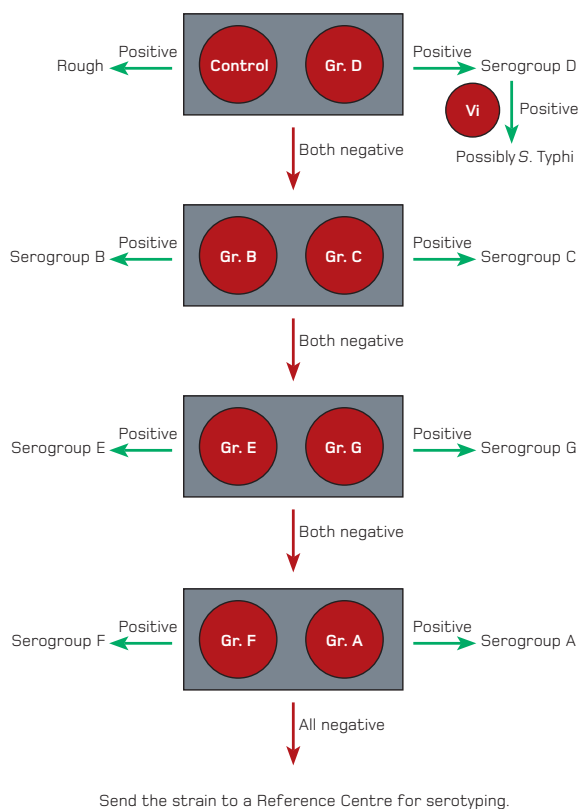


Figure 3. Serotyping with *Salmonella* Sero-Quick