

**Traditional Method
ISO 6579:2002**

**Real-Time Multiplex
PCR Assay**

DAY 0

25 g sample in 225 ml Buffered Peptone Water
(37°C, 18 h)

DAY 0

DAY 1

0.1 ml culture in
10 ml RVS broth
(41.5°C, 24 h)

1 ml culture in
10 ml MKTTn broth
(37°C, 24 h)

0.1 ml culture in 10 ml RVS
broth (41.5°C, 6 h) and
DNA extraction (1 ml, 5 h)

DAY 1

DAY 2

XLD & BGA (37°C, 24 h)

Real-Time Multiplex PCR (2.5 h)

DAY 2

DAY 3

TSA (37°C, 24 h)

**Result in 31.5 h -*Salmonella*
genus & serotype**

DAY 4

Biochemical & Serological Testing

Result in 114 h -*Salmonella* genus