

## Encode Salmonella Spp. ID Kit

**Item code:** EIL-FS-SML

**Technology:** PCR / Real Time PCR/ PCR

**Manufacturer:** ENCODE

**Size:** EIL-FS-SML-10 Rxns

EIL-FS-SML-25 Rxns

EIL-FS-SML-50 Rxns

EIL-FS-SML-100 Rxns

### BACKGROUND:

*Salmonella* are a group of bacteria that can cause gastrointestinal illness called salmonellosis. Most people with salmonellosis develop diarrhoea, fever, and abdominal cramps. More severe cases of salmonellosis may include a high fever, aches, headaches, lethargy and a rash. *Salmonella* infection is usually caused by eating raw or undercooked meat, poultry, and eggs or egg products or by drinking unpasteurized milk. Culture-based methods used for *Salmonella* spp. detection often results in 4 - 6 days of isolation procedures. To shorten time, In vitro DNA amplification by polymerase chain reaction (PCR), in particular, using real time PCR and specific fluorescent probes, is a powerful and reliable tool. It providing results much faster and allowing more efficient control procedures.

### PRODUCT DESCRIPTION:

REAL TIME DETECTION KIT *Salmonella* spp. uses real-time PCR technology for the detection of *Salmonella* in a simple, efficient, reliable, and rapid procedure. This method is based on 5' nuclease real time PCR reactions to amplify a unique and desirable genomic sequence in the target microorganism. This carefully designed primers and probe ensure highest sensitivity, accuracy and specificity.

