

## Encode Escherichia Coli Serogroup Detection Kit (O157, O26, O111, O103, And O145)

**Item code:** EIL-FS-ESGD

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

**Manufacturer:** ENCODE

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

EIL-FS-ESGD-25 Rxns

EIL-FS-ESGD-50 Rxns

EIL-FS-ESGD-100 Rxns

### BACKGROUND:

*E. coli* normally lives in the intestines. Most strains are usually harmless. A few strains cause diarrhoea/bloody diarrhoea, vomiting, stomach pains and cramps. Some lethal strain can lead to kidney failure if not properly managed. Eating contaminated food is the most common way to get an *E. coli* infection. The urgent need for rapid, accurate and sensitive methods for the detection of these *E. coli* strains is a major food safety issue. In order to quickly detect and identify *E. coli*, DNA amplification by polymerase chain reaction (PCR), in particular, using real time PCR and specific fluorescent probes, is a powerful and reliable tool, providing results much faster and allowing more efficient control procedures.

### PRODUCT DESCRIPTION:

REAL TIME DETECTION KIT *Escherichia Coli* Serogroup Detection uses real-time PCR technology for the detection of *E.coli* 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.

