

Encode *Listeria monocytogenes* ID Kit

Item code: EIL-FS-LMC

Technology: PCR / Real Time PCR/ PCR

Manufacturer: ENCODE

Size: EIL-FS-LMC-10 Rxns

EIL-FS-LMC-25 Rxns

EIL-FS-LMC-50 Rxns

EIL-FS-LMC-100 Rxns

BACKGROUND:

Listeria monocytogenes is a ubiquitous foodborne pathogen that causes listeriosis and is frequently linked to consumption of ready-to-eat (RTE) foods, such as fresh produce, soft cheese, and especially RTE meat products. The disease primarily affects pregnant women, new-borns, older adults, and people with weakened immune systems. It's rare for people in other groups to get sick with *Listeria* infection. The ability of *Listeria* spp. to grow at low temperatures (3°C) increases the risk of infection. There are several ancient methods to determine and detect the *Listeria* infection, but they are time taking. 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 for detection of *Listeria monocytogenes*, providing results much faster and allowing more efficient control procedures.

PRODUCT DESCRIPTION:

REAL TIME DETECTION KIT *Listeria monocytogenes* uses real-time PCR technology for the detection of *L. monocytogenes* 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.

