

Escherichia coli Test

Fecal contamination of water threatens water quality worldwide and has direct adverse effects on human health and the global economy. Timely and accurate detection of E. coli in water sources is crucial for ensuring water quality and preventing potential outbreaks of waterborne diseases. Creative Diagnostics provides customers with lateral flow test strips (LFS) to detect and quantify Escherichia coli (E. coli) in tap water, river, and sewage water samples to monitor and assess water quality.

Why Detect Escherichia coli?

Currently, it is generally accepted that fecal bacteria from sewage treatment plants, farm effluents, and flooding are the main indicators of microbial contamination of water. Of all fecal indicators, E. coli is the best indicator of water microbial contamination, primarily because E. coli is the most abundant bacterium in the mammalian digestive system and is easier to detect than other waterborne pathogens. Given the harmful effects of water with elevated E. coli levels on humans, animals, and the environment, early detection is critical to public health.