COLIFORM BACTERIA ARE ONE OF THE MOST COMMON WATER CONTAMINATION PROBLEMS

What are Coliforms?

Coliform bacteria are organisms that are present in the environment and in the feces of all warm-blooded animal and humans. Their presence in drinking water indicates that disease-causing organisms could be in the water system.

What are effects on the human health of Coliform bacteria?

Fecal contamination and waterborne pathogens can cause a variety of illnesses it depends on the type of microbial contaminant, the concentration in the water, the exposure pathway, and the amount of water a person consumes.

The most common symptoms are gastrointestinal infection and general flu-like symptoms

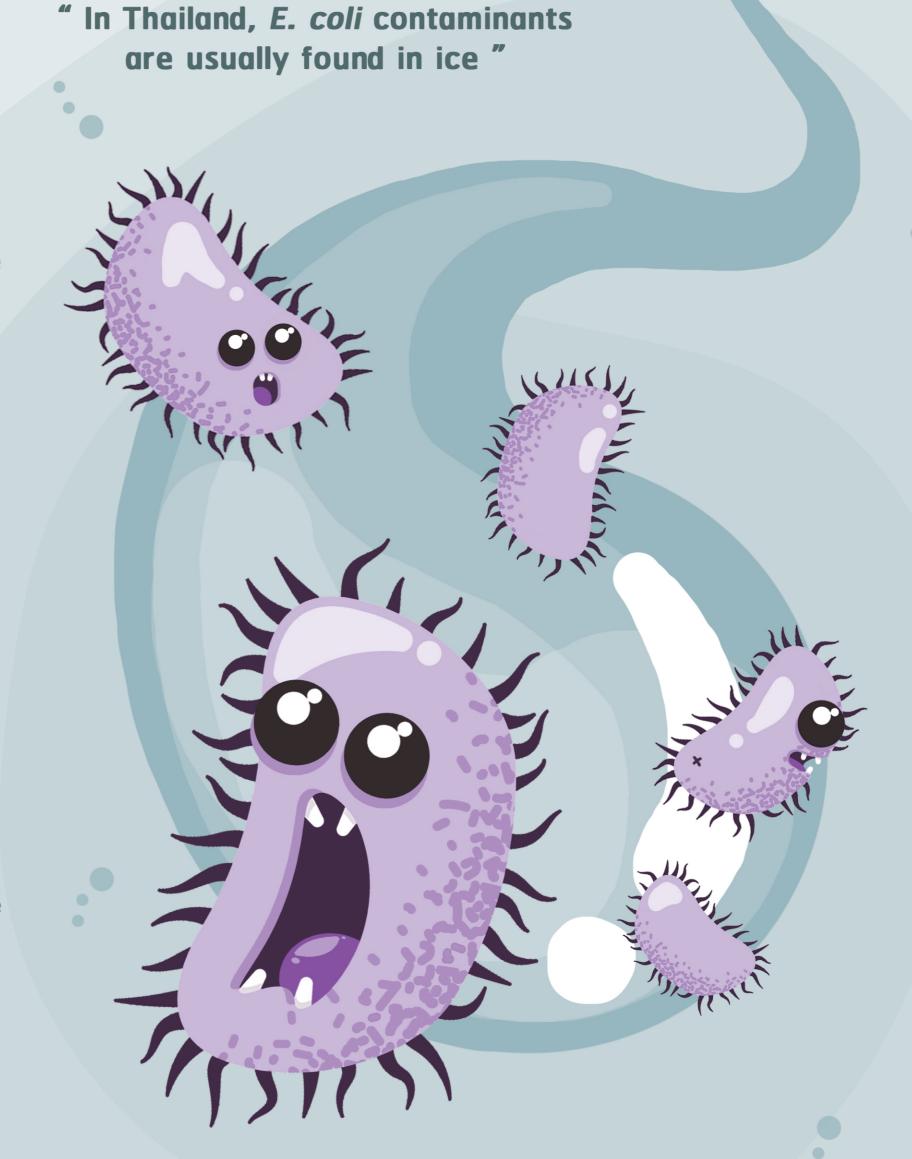


What are total coliform and E. coli?

Total coliform (TC) bacteria are common in the environment. Fecal Coliform and *E. coli* are subgroups within the Total Coliform group which primarily come from the feces of warm-blooded animals.

Coliform as "indicator" organism

The presence of *E. coli* indicates that the water has been exposed to feces and an immediate risk to human health exists.



Total coliform and subgroup of bacteria

Total Coliform

A group of bacteria containing both of non-fecal coliform (found in soil and water) and fecal coliform

Fecal Coliform

a subset of coliform that is heat tolerant

E. coli

a type of coliform often found in the intestine of warm-blooded animals

How do we prevent fecal coliform?

Always wash your hands often by running water and soap





Avoid unpasteurized beverages



Cook and serve your food at the appropriate temperatures

