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**Subject: Fundamental of microbiology lab**

Select any one topic related to fundamental of microbiology write two pages information related to this topic.

**What is an intestinal infection due to E. coli?**

E. coli is a type of bacteria that normally live in the intestines of people and animals. However, some types of E. coli, particularly E. coli O157:H7, can cause intestinal infection. E. coli O157:H7 and other strains that cause intestinal sickness are called Shiga toxin–producing E. coli (STEC) after the toxin that they produce.

People with weakened immune systems, pregnant women, young children, and older adults are at increased risk for developing these complications.

Most intestinal infections are caused by contaminated food or water. Proper food preparation and good hygiene can greatly decrease your chances of developing an intestinal infection.

Most cases of intestinal E. coli infection can be treated at home. Symptoms generally resolve within a few days to a week.

**Symptoms of intestinal infection due to E. coli:**

Symptoms of intestinal infection generally begin between 1 and 10 days after you’ve been infected with E. coli. This is known as the incubation period. Once symptoms appear, they usually last around 5 to 10 days.

**Symptoms can include:**

* abdominal cramping
* sudden, severe watery diarrhea that may change to bloody stools
* [gas](https://www.healthline.com/symptom/flatulence)
* [loss of appetite or nausea](https://www.healthline.com/health/loss-of-appetite-and-nausea)
* [vomiting](https://www.healthline.com/symptom/vomiting) (uncommon)
* [fatigue](https://www.healthline.com/symptom/fatigue)
* fever
* Symptoms can last anywhere from a few days to more than a week.
* Symptoms of a severe E. coli infection may include:
* [bloody urine](https://www.healthline.com/symptom/blood-in-urine)
* [decreased urine output](https://www.healthline.com/symptom/decreased-urine-output)
* [pale skin](https://www.healthline.com/health/paleness)
* [bruising](https://www.healthline.com/health/bruise)
* dehydration

Call your doctor if you experience any of these severe symptoms.

According to the [Centers for Disease Control and Prevention](https://www.cdc.gov/ecoli/general/index.html), about 5 to 10 percent of those who are infected develop [hemolytic uremic syndrome HUS)](https://www.healthline.com/health/hemolytic-uremic-syndrome), a condition in which the red blood cells are damaged. This can lead to kidney failure, which can be life-threatening, especially for children and the elderly. HUS generally begins about 5 to 10 days after the onset of diarrhea.