

## Escherichia coli

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### Escherichia coli Latest News

Researchers have shown in a new study that genetically engineered Escherichia coli bacteria can be turned into self-powered chemical sensors that interface directly with electronics.

### About Escherichia coli

- It is **commonly known as E. coli**, is a **type of bacteria** that can be found in the intestines of humans and animals.
- It is a rod-shaped bacterium of the **Enterobacteriaceae family**.
- While most strains of E. coli are harmless and even beneficial, some strains can cause illness and infections.
- Some kinds of E. coli can cause diarrhea, while others cause urinary tract infections, respiratory illness and pneumonia, and other illnesses.
- **Transmission:** It can be **transmitted to humans through contaminated food**, water, or contact with fecal matter from infected individuals or animals.
- **How does E. coli make you sick?**

- The most familiar strains of E. coli that make you sick do so by **producing a toxin called Shiga**.
- This toxin damages the lining of your small **intestine and causes diarrhea**.
- These strains of E. coli are also **called Shiga toxin-producing E. coli (STEC)**.
- **Symptoms:** The most common symptoms of E.coli infection include fever, persistent diarrhoea, bloody diarrhoea, and vomiting.
- **Treatment:** Most E. coli infections are self-limiting and resolve on their own without treatment. However, it's essential to stay hydrated during the course of the illness.

**Source:** TH

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