

# MICROBIOLOGICAL RESEARCH OF OBJECTS OF THE ENVIRONMENT

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**Introduction.** Microorganisms are around us all the time. Live microorganisms are present in the surrounding objects of life, on our skin, in the middle of our intestines and invisible to the eyes. With different microorganisms, our human body meets every second. Pathogenic microflora in the environment is an invisible part of our daily life.

**Aim.** Conduct research on the microbiological environment of the keyboard, mobile phone cases and door handles for the presence of pathogenic microflora.

**Materials and methods.** The object of our study were washings from different objects. We used standard microbiological methods of investigation.

**Results and discussion.** As a result of the research (the experiment was carried out three times) it was found that most bacteria were detected on keyboards and door handles. In the samples of smears from the keyboard, mobile phones and door handles, *E. coli* bacteria were not detected. When determining the total number of bacteria, microorganisms such as staphylococci, sarcinae, saprophytic cocci and fungi were found. Our studies have shown that the most common microorganisms are staphylococci. *Staphylococcus* is a conditionally pathogenic microorganism that normally resides on the skin of a person, but when ingested, pathogenic species can cause skin diseases and suppuration.

## **Conclusions.**

1. Sanitation-indicative microorganisms that indicate fecal contamination of the environment are: bacteria of the *Escherichia coli* group, fecal streptococci (enterococci), sulfate-reducing anaerobes (*Clostridium perfringens*), bacteria of the proteus group, thermophiles, coliphages. In our study they were not found.

2. On the surface of the keyboard, of the mobile phone and door handles are conditionally pathogenic microorganisms - staphylococci, which are normally found on every human cover, but when ingested, they can cause skin diseases and suppuration.

3. Our whole life is a contact with the microcosm of different organisms. How do microorganisms affect our health depends only on us. Protect yourself from dangerous microbes in various ways: cleaning the house, strengthening your own body, observing the rules of personal hygiene. Take care of your health.