

**TITLE:** INVESTIGATIVE PRACTICE IN TEACHING MICROBIOLOGY WITHOUT TECHNICAL COURSE IN NURSING PRONATEC

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**ABSTRACT:**

Lectures related to experimentation show that scientific theories do not come without a foundation, and demonstrate the real need of scientists who analyze the testing phenomena, getting positive or negative results, and finally their theories. However, experimentation activities are not frequently used in public schools or technical courses, given the difficulties encountered by professors to carry them out because there is often no physical space, reagents, glassware and a technical Location and security of classes. Through this perspective, we seek to develop investigative activities such as sitting desperate or scientifically critical to present in each human being, make the students participate effectively, elaborate hypotheses about phenomena or facts, analyze the results obtained, discuss among themselves, creating connections Among the new discoveries and previous knowledge that are able to position the results obtained. A practice was carried out with the students of the Nursing Technical Course of the City of Dourados-MS, no intention to demonstrate a presence of microorganisms without environment and in their body, with the purpose of evidencing the care that must be taken within hospitals, Future professionals. Each student received a petri dish containing sabouraud agar and a sterile swab, so they were instructed on how to collect material from the site that most excited their interest. After five days of incubation, the students returned to the laboratory to verify the results of the practice. It was possible to conclude the students' observation that fungi and bacteria present a characteristic of being present in all the researched places along with the lack of hygiene habits, these are possible causes of diseases, thus alerting to the importance of hygiene in the place of socializing and work.

**Keywords:** Bacteria, PRONATEC, fungi, critical sense.