

The mutual comparison of the methods used for the diagnostics of bacterial meningitides was the aim of this work. The bacterial meningitis is a very serious disease and its laboratory diagnostics should include such a spectrum of the examinations, which guarantees the highest possibility of discovering the pathogens. The efficiency of latex agglutination, classic bacterial cultivation and peR of *Neisseria meningitidis*, *Haemophilus influenzae* and *Streptococcus pneumoniae* was compared. The peR enables the direct prove of DNA for the pathogens mentioned above. The results confirmed the contribution of peR that is rapid, specific and sensitive. It was proved in 5 cases, where the peR was positive, while the other tests were false negative.