

Analytical Sensitivity Study summary.

Study made by Institute of Organic Chemistry and Biochemistry of the Academy of Sciences in Czech Republic.

As part of testing antigen tests, the researchers compared * the limit of detection of a total of 13 different tests currently available on the Czech market.

Summary of study results:

Antigen Rapid Test	The detection limit, pg
Flowflex, Selfdiagnostics	50
Saligen	125
Biosynex	125
Zandcell	125
Ecotest	125
Lepu	250
Humasis	500
V-check	500
Abbott	500
Testsealabs	1000
Diaquick	1000
SD Biosensor	1000
Safecare	5000

Selfdiagnostics test uses the Flowflex test technology.

* The purpose of the Analysis of SARS-CoV-2 antigen tests is a scientific contribution to the discussion of methods for determining test parameters in terms of rational determination of the order in which tests could go to clinical comparative validation studies, not any practical recommendations or conclusions directed to their users. The results of the measured values must be interpreted exclusively in relation to the methodology used and the objectives of observing antigen tests. The comparison of tests was performed in a non-certified laboratory and for non-commercial research purposes. This approach allows a simple direct comparison of the limit of detection of the tests with the viral antigen standard, but does not replace a clinical study and may not indicate the sensitivity of the test in clinical practice.

<https://www.uochb.cz/cs/novinky/272/vedci-vyvinuli-rychly-a-snadny-zpusob-porovnani-antigennich-testu-na-sars-cov-2>