88a/26 Lezhenina/ Kornitskogo street, Novorossiysk (CL doctor clinic),

OP

16.10.2020 10:37



Patient:

Ivanov

Petr

Vasilyevich

Telephone helpline 8-800-700-40-10 call is free of charge in Russia

**Referral by: Physician's Full name has not been established. Service phone number 8-964-906-40-70**

Gender: **male**

Date of birth: **03.03.2000**

|  |
| --- |
| **POLYMERASE CHAIN REACTION (PCR)** |
| **Study** |  **Result** | **Ref. values/ Comment** |
| **PCR Coronavirus SARS-CoV-2** **(CoVID-19 pathogen)** | Negative |  |

The study was performed on the Bio-Rad CFX 96 amplifier using the "Set of reagents for detecting RNA of coronavirus SARS-CoV-2 by OT-PCR method of real-time polymerase chain reaction (RealBest RNА SARS-CoV-2)” (Registration No. RZN 2020/9896 of 27.03.2020), developed by JSC Vektor-Best *(630559, p/b 121, Koltsovo district, Novosibirsk region, Russia).*

This test system is highly sensitive, detecting target fragments of nucleic acids in concentrations **not determined by other** test systems.

PCR study of swabs/scrapes of the upper respiratory tract can be considered as a **screening** study, the result of which is important, but insufficient for a clinical diagnosis. A single detection of RNA of the SARS-CoV-2 coronavirus (CoVID-19 pathogen) in the studied biomaterial is **not a sufficient** basis for a clinical diagnosis and requires confirmation **by other test systems.**

STUDY RESULT

Due to the extremely high **mutational variability** of this virus observed during the current epidemic, the results of the study cannot be interpreted unambiguously in 100% of cases:

* a negative result of the study can be obtained when mutations are detected in the genome of the CoVID-19 virus pathogen;
* a positive result of the study can be obtained in the presence of related viruses of the *Beta-CoV* B family of *Coronaviridae* in the biomaterial.

If the RNA of the CoVID-19 pathogen is detected at late amplification cycles (**Ct value greater than 40**), an additional study is recommended.

**Physician: Vasilyev Petr Ivanovich**

*These results are not a diagnosis and must be interpreted by a clinician.*

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