

AUMED test RT-LAMP Assay SARS-CoV-2

In cooperation with Protean s.r.o. and Institute of Molecular and Translational Medicine, **AUMED a.s.** launched a modern diagnostics of **SARS-CoV-2 virus** under the name **AUMED test RT-LAMP Assay SARS-CoV-2**. It is a diagnostic using the **RT - LAMP Assay method**. The test uses the so-called **LAMP reaction**, which is isothermal amplification of nucleic acids. Unlike the polymerase chain reaction (PCR, qPCR), in which the reaction is performed using temperature cycles, isothermal amplification is performed at a constant temperature so there is no require for any expensive equipment. **The kit is fully validated** and registered by the State Institute for Drug Control (SÚKL) under registration number 00912050 (issued by SIDC-CZ). Comparison of the kit with the reference RT-PCR assay determined the sensitivity of the assay to be 93% and specificity to 99%. **The kit complied with all examined parameters and was recommended for use. It is a completely Czech product without dependence on foreign suppliers.**

Main advantages of AUMED test RT - LAMP Assay SARS-CoV-2:

- **No need for expensive laboratory equipment** - can be performed in any laboratory, no PCR cycler required.
- Collection, isolation and detection up to 1.5 hours - **the possibility of reading with the naked eye or using digital processing.**
- Sample processing is not tied to a closed cycle, it can be performed continuously according to the delivery of samples.
- **Reduced costs compared to conventional PCR tests** with the same sensitivity and reliability.
- Equivalent sensitivity with qPCR up to Ct 36-38, correspond to 10 copies of virus per ul sample.
- Compatibility with classical nasopharyngeal sampling and saliva-gargling (PCR GARGLING KIT).

Possible uses:

HOSPITAL for patient admission testing. It can also be used in hospitals, where they send samples to large laboratories. If the LAMP test is ingested, it is possible to process individual samples continuously.

SCREENING (for schools, businesses, homes, sports clubs, cultural ensembles, etc.) A large number of samples can be taken at one time through self-sampling. This can then be processed in the contract laboratory either directly or gradually by so-called "pooling".



New sampling – PCR GARGLING KIT

AUMED, a.s. collaborated on the development of a new self-sampling set based on the principle of gargling of the oral cavity and pharynx. The new sampling set was named **PCR GARGLING KIT**. The new collection is therefore much more pleasant and completely painless. Instead of pushing the sticks into the nose, it is enough to gargle a sip of ordinary water for 20-30 seconds and then empty this content from the mouth into the enclosed collection container containing the transport powder. See enclosed self-sampling instructions. **The new self-sampling PCR GARGLING KIT can be examined by RT-PCR and RT-LAMP methods and can be ordered separately without AUMED test RT-LAMP Assay SARS-CoV-2.**



More information can be found at:
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www.aumedtest.cz

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