**Corona Testing – Primers and Probes:**

Primers and probes recommended by the CDC & WHO:

**Eurofins Genomics can provide the primer and probe sequences recommended by the CDC and the WHO to researchers working on the coronavirus.**

The sequences were publically provided by the [CDC here](https://www.cdc.gov/coronavirus/2019-ncov/downloads/rt-pcr-panel-primer-probes.pdf)and the [WHO here](https://www.who.int/docs/default-source/coronaviruse/protocol-v2-1.pdf?sfvrsn=a9ef618c_2). Researchers can order these primers and probes to create a panel in their lab, following the [panel instructions from the CDC](https://www.cdc.gov/coronavirus/2019-ncov/downloads/rt-pcr-panel-for-detection-instructions.pdf).



**Publications**

1. (2020) [2019 Novel Coronavirus (2019-nCoV), Wuhan, China](https://www.cdc.gov/coronavirus/2019-ncov/summary.html). [Online] US Centers for Disease Control and Prevention. [Accessed 28 Jan 2020].
2. (2020) [2019-Novel coronavirus (2019-nCoV) real-time rRT-PCR panel primers and probes](https://www.cdc.gov/coronavirus/2019-ncov/downloads/rt-pcr-panel-primer-probes.pdf). US Centers for Disease Control and Prevention. [Accessed 28 Jan 2020].
3. (2020) [Real-time RT-PCR panel for detection 2019-novel coronavirus](https://www.cdc.gov/coronavirus/2019-ncov/downloads/rt-pcr-panel-for-detection-instructions.pdf). US Centers for Disease Control and Prevention. [Accessed 28 Jan 2020].
4. (2020) [Emergency use authorization](https://www.fda.gov/emergency-preparedness-and-response/mcm-legal-regulatory-and-policy-framework/emergency-use-authorization). [Online] US Centers for Disease Control and Prevention. [Accessed 28 Jan 2020].

Eurofins Genomics will try to deliver all these oligonucleotides in the shortest possible time. But, please consider a TAT of 2-3 working days.

**Furthermore, Eurofins Genomics can offer the synthesis of positive controls:**

* As EXTREmers: singlestranded oligos with a length up to 200 bases
* As Genestrands: doublestranded linear sequences
* As Genes: cloned in a high copy number vector

In order to prevent any cross-contamination of primers and probes with controls, our standard procedure is to spatially separated our production of oligos and genes/plasmids by separate rooms and air systems!