

## Supplemental Information

### E\_Sarbeco Primer-Probe Set for cobas®

#### Contents

Each set contains 2 primers and 1 probe to be used in the “E gene assay” recently described by Prof. Drosten from Charite Virology, Berlin, Germany [1] and by Pfefferle et al. [2] regarding its adoption to cobas® 6800 high-throughput system. The primers and probes are delivered in separate tubes solubilized in ultrapure water.

Component	Yield in Tube	Concentration in Tube	Volume
E_Sarbeco_F1	90 nmol	100 µM	900 µl
E_Sarbeco_R2	90 nmol	100 µM	900 µl
E_Sarbeco_P1	15 nmol	100 µM	150 µl

#### Functionality Testing\*

Test	Method	Specification	Result
No Template Control	Real-time PCR	0/24 with Cp<40	Conforms
Positive Control	Real-time PCR	3/3 with Cp<40	Conforms

\*tested on Roche LightCycler®480 according to references [1] and [2]

#### Storage Conditions

The “E\_Sarbeco Primer-Probe Set for cobas®” is shipped at ambient temperature. Upon receipt, store it at –15 to –30°C in a freezer until use. Avoid repeated freezing and thawing. Store an aliquot of the solution in the fridge (2-8 °C) for no longer than 2 weeks.

#### Assay Protocol

Labs purchasing this research use only set need to develop and validate their own test protocol prior to testing of specimens. For sample assay protocol please see references below.

#### References

[1] “Diagnostic detection of 2019-nCoV by real-time RT-PCR” (Protocol and preliminary evaluation as of Jan 17, 2020)

[2] Pfefferle et al., Evaluation of a quantitative RT-PCR assay for the detection of the emerging coronavirus SARS-CoV-2 using a high throughput system. *Euro Surveill.* 2020;25(9)

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For additional information or assistance, visit [www.microsynth.ch](http://www.microsynth.ch) or email us at [oligo.support@microsynth.ch](mailto:oligo.support@microsynth.ch).