

RIDA®GENE Coronavirus

Multiplex real-time RT-PCR for the detection from nasal/throat swabs



Targets:

Coronaviruses (HKU1, NL63, 229E, OC43), MERS-CoV



Reliable:

All controls (internal, positive, negative) are included in the kit



Practical:

Same cycler profile as for all RIDA®GENE products

Information about RIDA®GENE Coronavirus

Art. No. PG6805

Benefits



High analytical sensitivity:

Device detection limit: > 50 copies/reaction



High analytical specificity:

- Verification of potentially interfering substances
- Verification of cross-reactivity



Simple and rapid:

< 2 hours



Test format:

Kit is sufficient for 100 tests



Quality:

Development and manufacturing in Germany under ISO 13485

Diagnostics of Viral Respiratory Infections

For *in-vitro* diagnostic use. The RIDA®GENE Coronavirus test, performed on Roche LightCycler® 480 II, is a multiplex real-time RT-PCR for the direct qualitative detection and differentiation of coronaviruses (HKU1, NL63, 229E, OC43) and MERS-CoV RNA in untreated human nasal/throat swabs from persons with signs and symptoms of acute respiratory infection.

Pathogen	Target
Coronaviruses	ORF1
MERS-CoV	

Coronaviruses (CoVs) can cause colds, bronchitis, pneumonia, and severe acute respiratory syndrome (SARS)⁽¹⁾. A total of seven human coronaviruses are known: Coronaviruses **HKU1**, **NL63**, **229E**, and **OC43** cause mild illness, while SARS-CoV, MERS-CoV, and SARS-CoV-2 are the pathogenic species⁽²⁾.

Reliable and rapid identification of the pathogen using the RIDA®GENE Coronavirus test is essential for both appropriate treatment of the patient and prevention of further transmission of the pathogen.

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1. Schoeman D, Fielding BC. Coronavirus envelope protein: current knowledge. *Virology*. 2019;16(1):69.
2. Malik YA. Properties of Coronavirus and SARS-CoV-2. *Malays J Pathol*. 2020;42(1):3-11.