

RIDA®GENE SARS-CoV-2

RIDA®GENE Flu & SARS-CoV-2

Art. No. PG6815 & PG6825

Internal testing of swab samples from vaccinated persons

with the RIDA®GENE SARS-CoV-2 & RIDA®GENE Flu & SARS-CoV-2 real time PCR tests (March 2021)

Materials

In this testing 15 dry nasal/throat swabs from vaccinated persons (vaccine: BNT162b2 from Biontech/Pfizer) were tested as matrix with the RIDA®GENE SARS-CoV-2 and RIDA®GENE Flu & SARS-CoV-2 tests.

Nucleic acid extraction was performed on the Maxwell® RSC (Promega).

Prior to extraction, each of the swab samples were stirred into 1mL of Amies medium. Nucleic acid amplification was performed on the LightCycler® 480 II. All work steps were carried out according to the IFU specifications.

Results

Table 1: Results of the testing of the 15 nasal/throat swabs with the RIDA®GENE SARS-CoV-2 test

	SARS-CoV-2	ICR
Sample 1	negative	27.37
Sample 2	negative	26.62
Sample 3	negative	27.38
Sample 4	negative	26.52
Sample 5	negative	27.41
Sample 6	negative	26.70
Sample 7	negative	26.60
Sample 8	negative	27.12
Sample 9	negative	27.06
Sample 10	negative	26.88
Sample 11	negative	26.89
Sample 12	negative	27.48
Sample 13	negative	26.69
Sample 14	negative	26.63
Sample 15	negative	26.89
NTC	negative	27.50
PTC	28.93	27.49

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Table 2: Results of the testing of the 15 nasal/throat swabs with the RIDA®GENE Flu & SARS-CoV-2 test

	Influenza A/B	ICR	E-Gen	RdRp-Gen
Sample 1	negative	28.88	negative	negative
Sample 2	negative	28.30	negative	negative
Sample 3	negative	28.39	negative	negative
Sample 4	negative	28.45	negative	negative
Sample 5	negative	28.73	negative	negative
Sample 6	negative	29.32	negative	negative
Sample 7	negative	28.88	negative	negative
Sample 8	negative	27.74	negative	negative
Sample 9	negative	28.57	negative	negative
Sample 10	negative	28.82	negative	negative
Sample 11	negative	27.75	negative	negative
Sample 12	negative	28.99	negative	negative
Sample 13	negative	28.59	negative	negative
Sample 14	negative	28.43	negative	negative
Sample 15	negative	28.60	negative	negative
NTC	negative	26.77	negative	negative
PTC	24.42	28.49	25.55	28.35

Conclusion

- The samples show no abnormalities.
- Vaccination has no effect on the respective detection systems → negative vaccine recipients show a negative result.
- The data demonstrates that the RIDA®GENE SARS-CoV-2 and the RIDA®GENE Flu & SARS-CoV-2 test can be used for the detection of SARS-CoV-2 RNA or Influenza A/B and SARS-CoV-2 RNA in nasal/throat swabs from vaccinated persons.