



EURORealTime SARS-CoV-2 Fast

Particularly fast direct detection of SARS-CoV-2 using real-time PCR

- Time-saving detection of the relevant SARS-CoV-2 variants, including Delta and Omicron*
- Reverse transcription of the viral RNA and real-time PCR in one step (approx. 45 minutes)
- Sensitive detection of two target sequences in the ORF1ab and the N gene of the SARS-CoV-2 genome in separate fluorescence channels
- Only one reaction per sample

* Alpha (B.1.1.7 lineage), Beta (B.1.351 lineage), Gamma (P.1 lineage), Delta (B.1.617.2 lineage), Lambda (C.37 lineage), Mu (B.1.621 lineage) and Omicron (B.1.1.529 lineage)

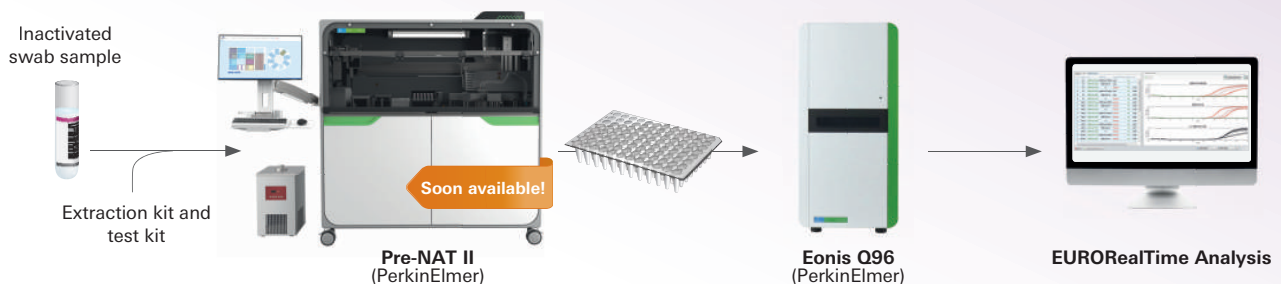
EURORealTime SARS-CoV-2 Fast

(order number: MP 2606-###-8)

1. RNA extraction & preparation of EURORealTime PCR

2. EURORealTime PCR

3. Data analysis & result documentation



Sample material: nasopharyngeal swabs

Further automation solutions for RNA extraction:
chemagic 360-D (PerkinElmer chemagen)**

** More information at <https://chemagen.com>

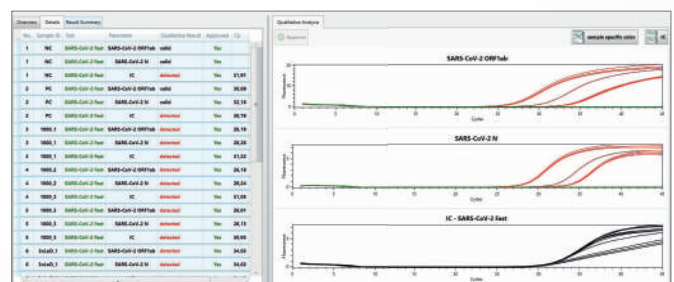
Further compatible real-time PCR cyclers:

LightCycler 480 II (Roche), 7500 Fast Real-Time PCR Instrument (Applied Biosystems), CFX96 Touch (Bio-Rad), qTower³ (Analytik Jena); other instruments need to be validated individually by the user.

EURORealTime Analysis software

(order number: YG 0661-0101)

- Software-supported workflow with automated generation of pipetting layouts
- Efficient process from the standardised analysis of raw data to the documentation of results
- Compatible with various real-time PCR cyclers and LIS



Analytical performance data

- Limit of detection (LoD): 3 (ORF1ab gene) and 6 (N gene) RNA copies per μ l eluate (cp/ μ l)
- No detectable cross reactivity with nucleic acids of various pathogens that are found in the respiratory tract or are closely related to SARS-CoV-2

Evaluation study

Agreement between the test results of the EURORealTime SARS-CoV-2 Fast and those obtained with reference tests:

- 100% negative agreement
- 100% positive agreement

		Precharacterisation using a SARS-CoV-2 real-time PCR reference tests***	
		positive	negative
Results of EURORealTime SARS-CoV-2 Fast	positive	102	0
	negative	0	99

*** Agreement of precharacterisations in two independent determinations: with ViroQ Rapid SARS-CoV-2 Test (BAG Diagnostics) and EURORealTime SARS-CoV-2 (EUROIMMUN)