

# Easy<sup>®</sup> Line Real Time

Easy SARS-CoV-2 kit

**diatech**  
pharmacogenetics



## Easy® SARS-CoV-2 (cat.no. RT020) – 192 test

Easy® SARS-CoV-2 is an *in vitro* diagnostic test for the qualitative detection, by One Step Real-Time RT-PCR, of the Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) RNA from a wide range of swabs and other human clinical specimens.

### All-in-one Extraction and RT-PCR: a quick and easy response for COVID-19 screening

- Reagents for "Quick Extraction" included in the kit.
- 96 tests in less than 3 hours including extraction.
- Fully automatic data processing with **EasyPGX® Analysis Software**.
- Workflow validated for *in vitro* diagnostic use with:
  - EasyPGX qPCR instrument 96 (Diatech Pharmacogenetics);
  - CFX96 Real-Time PCR Detection System (Bio-Rad);
  - ABI 7500/7500 Fast (ThermoFisher);
  - QIAGEN Rotor-Gene Q.

### All-in-one Extraction and RT-PCR: a quick and easy response for COVID-19 screening

- **Easy® SARS-COV-2** detects the following target regions, recommended by WHO and CDC, in a single reaction tube:
  - Gene N (SARS-CoV-2);
  - Gene RdRp (SARS-CoV-2);
  - Internal endogenous control.
- Control and validation of results by detection of a human internal control gene.
- Anhydrous positive control included in the kit.

### EasyPGX® Analysis Software: the CE-IVD solution for data processing fully automatic

- Developed with "wizard" to facilitate the definition, analysis and exportation of results.
- Unique solution and platform for interactive visualization and comparison of raw data and processed results.
- Possibility to insert patient ID with a barcode reader.
- Possibility to read and track codes and batches of reagents.
- Compatible with Laboratory Information Management Systems (LIMS).
- Reports can be customized and exported in various formats (pdf, excel).

The screenshot displays the EasyPGX Analysis Software interface. On the left, there is a 'Campioni' (Samples) list with radio buttons for Sample1 through Sample10. Below this list are buttons for 'Esporta PDF', 'Esporta CSV', and 'Esporta LIMS'. The main area shows a summary box with the following information:

- Nome Operatore: Administrator
- Descrizione Esperimento: SARS-CoV-2 Example
- Piattaforma: RT800-96\_EasyPGX qPCR instrument 96
- Kit: RT019\_EasyPGX ready SARS-CoV-2
- Versione Software: 4.0.2

Below the summary box is a 'Riepilogo Analisi' (Analysis Summary) table:

N.	Nome	Gene N-SARS-CoV-2	Gene RdRP SARS-CoV-2	Controllo Interno	Interpretazione
		FAM Risultati	ROX Risultati	HEX Risultati	
1	Sample1	Pos	Neg	OK	SARS-CoV-2 Positivo
2	Sample2	Neg	Pos	OK	SARS-CoV-2 Positivo
3	Sample3	Neg	Neg	OK	SARS-CoV-2 Non Positivo (1)
4	Sample4	Pos	Pos	OK	SARS-CoV-2 Positivo
5	Sample5	Neg	Pos	E03	SARS-CoV-2 Positivo
6	Sample6	Neg	Neg	OK	SARS-CoV-2 Non Positivo (1)
7	Sample7	Pos	Pos	OK	SARS-CoV-2 Positivo
8	Sample8	Pos	Neg	E04	SARS-CoV-2 Positivo
9	Sample9	Neg	Neg	OK	SARS-CoV-2 Non Positivo (1)
10	Sample10	Pos	Neg	OK	SARS-CoV-2 Positivo