

MULTIPLEX REAL TIME PCR



MADE IN  
EUROPE



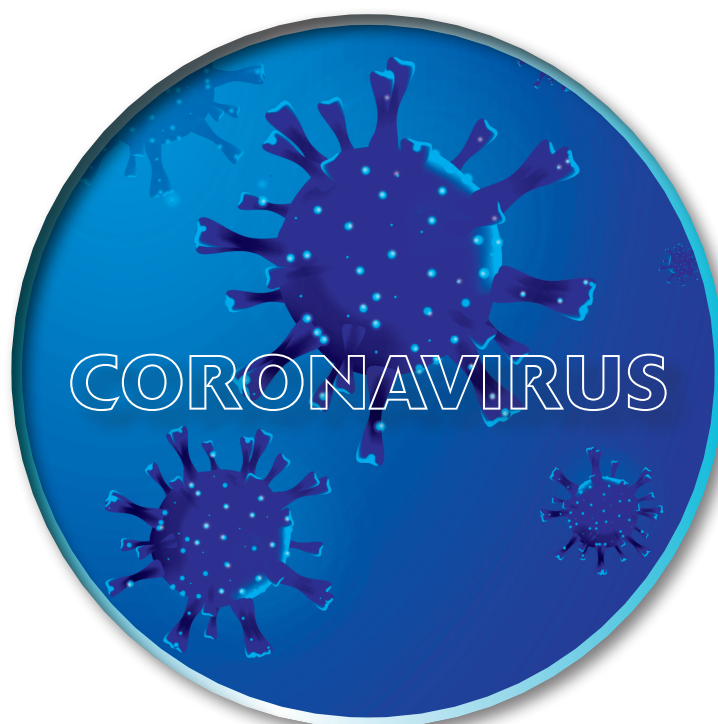
PREMIUM QUALITY



eurobio  
SCIENTIFIC

# EurobioPlex SARS-CoV-2

*Real-time RT-PCR  
for early and reliable diagnosis<sup>1</sup>*



The coronavirus pandemic affects more than 1.000.000 people worldwide<sup>2</sup>.  
Limiting spread by testing patients is therefore necessary.

- **HIGHLY SPECIFIC TO COVID-19:** Detection of 3 targets on 2 genes<sup>1</sup>
- **RAPID RESULT:** 1h15min<sup>3</sup>
- **MANUFACTURED IN FRANCE:** Eurobio's production facilities
- **VALIDATED ON:** LC480®, Applied 7500®, CFX96® and others...

1. For further information, please refer to the «Introduction and Intended Use» section of the package insert.

2. Source: Santé Publique France. 29/03/2020. Infection au nouveau Coronavirus (SARS-CoV-2), COVID-19, France et Monde. [03/04/2020]. <https://www.santepubliquefrance.fr/maladies-et-traumatismes/maladies-et-infections-respiratoires/infection-a-coronavirus/articles/infection-au-nouveau-coronavirus-sars-cov-2-covid-19-france-et-monde>

3. For further information, please refer to the «Procedure» section of the package insert.

## CLINICAL CONTEXT

The SARS-CoV-2 virus appeared in China in late 2019, in the city of Wuhan. It is a member of the Coronaviridae family and belongs to the subgenus Sarbecovirus. Infection with SARS-CoV-2 can cause the respiratory disease COVID-19. The clinical picture is very variable: some patients are asymptomatic while others develop mild symptoms (such as fever, tiredness, dry cough, and breathing problems) or severe symptoms. In severe cases, respiratory difficulties appear rapidly with a pneumonia, evolving sometimes in an acute respiratory distress syndrome (ARDS) that might cause death<sup>1</sup>.

## DIAGNOSIS

Diagnosis of SARS-CoV-2 infection is currently based on the detection of viral particles by real-time RT-PCR. Serology is currently being deployed in order to, retrospectively, make an epidemiological study of the SARS-CoV-2 pandemic<sup>4</sup>.

## EUROBIOPLEX CHARACTERISTICS

Test principle	SARS-CoV-2 Pathogen Detection
Technology	Real-time RT-PCR
Targeted genes <sup>1</sup>	N gene and 2 highly conservative regions of RdRp gene <sup>2</sup>
Sample type <sup>1</sup>	Nasopharyngeal aspiration, broncho-alveolar fluid, sputum, nasal swab
Controls included <sup>3</sup>	Positive control, negative control and internal quality control
Duration process <sup>3</sup>	1h15min

## PERFORMANCES

Sensitivity <sup>6</sup>	> 99%	Specificity <sup>6</sup>	98,6%
Reference	Description	Packaging	
EBX-041-192	<b>EurobioPlex SARS-CoV-2 Multiplex</b> <i>Real-time RT-PCR</i>	<b>192 tests</b>	

4. Pasteur. 27/03/2020. MALADIE COVID-19 (NOUVEAU CORONAVIRUS). [30/03/2020] <https://www.pasteur.fr/fr/centre-medical/fiches-maladies/coronavirus-wuhan>

5. For more information, please refer to the «description and content of the kit» section of the pack insert

6. For more information, please refer to the «Performance analysis» section of the pack insert.

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