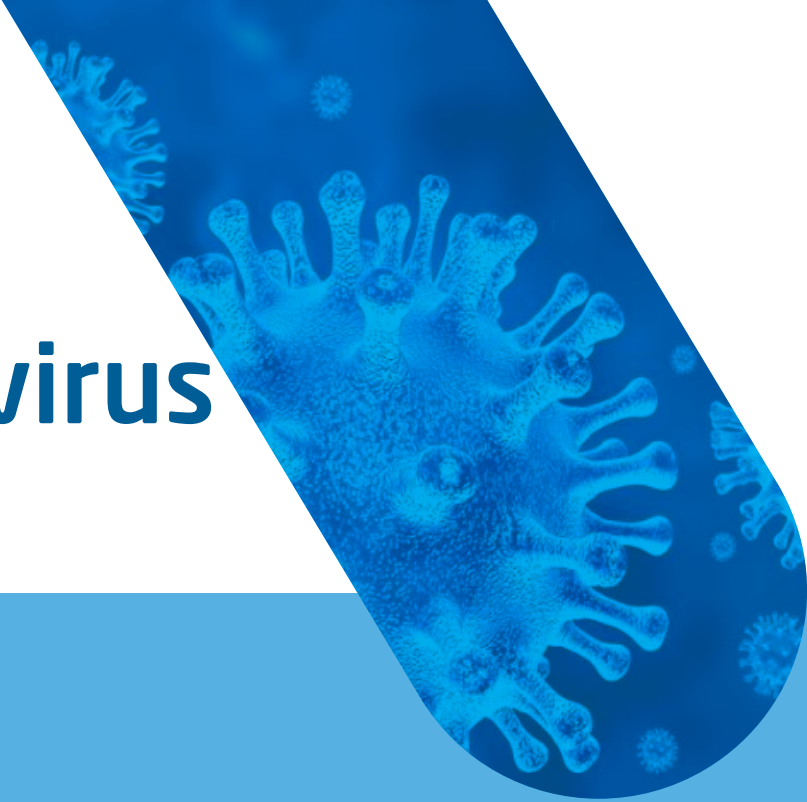


DNA
DIAGNOSTIC

Novel Coronavirus

SARS-CoV-2 Food check kit
Meat, pork and chicken



COVID-19
**Results in 3
hours**

SARS-COV-2 FOOD CHECK KIT

- **Fast**
Results in 3 hours
- **Complete solution kit**
Including RNA Extraction, RT-PCR Master Mix and Positive control
- **Easy and fast detection**
By one step RT-PCR
- **Limit of detection**
500 virus genome / gram
- **Detect SARS-CoV-2**
In several food matrices, including pork, beef and chicken products

**SARS-CoV-2
in food**

3 hours sample to result

Introduction

The novel coronavirus SARS-CoV-2 (2019-nCoV-2) is known to cause COVID-19, which is a respiratory illness spreading from person to person via direct contact with or exhale respiratory droplets generated when an infected person coughs or sneezes.

Although the SARS-CoV-2 cannot grow on food due to the fact, that virus requires a live host like a person or an animal to multiply. Considering the SARS CoV-2 can remain viable on surfaces for quite a period of time. It may survive in foods and on surfaces for hours to days.

It is essential to develop innovative diagnostics for SARS-CoV-2 not only for infected people but also for food and surrounding environments. The food industry is also required to maintain trust and consumer confidence in the safety of food.

Novel coronavirus (2019-nCoV-2) Food Check kits from DNA Diagnostic will enable food producers to determine, and monitor the presence of SARS-CoV-2 in the food production and environment.

Using a reliable RNA extraction from 25 grams of meat sample followed by an accurate, sensitive and highly specific RT-qPCR reaction, the result can be acquired in 3 hours. The assay was validated on bacterial, viral nucleic acids and artificial contaminated samples.

Novel coronavirus (2019-nCoV-2) Food Check is validated to detect down to 500 copies of viral nucleic acid per 1 gram of sample.

What is qPCR testing?

The quantitative polymerase chain reaction (qPCR) is a biochemical technology used to amplify a specific DNA target in a test tube. During amplification, fluorescent light is generated and monitored by the qPCR instrument.

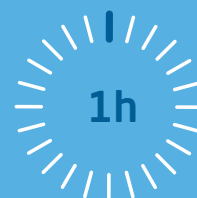
Today, qPCR is a common diagnostic technique and it is used for a wide variety of applications.

Total Solution

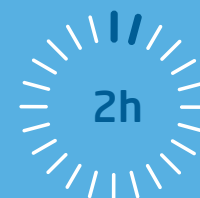
Novel coronavirus (2019-nCoV-2) food check kit is supplied with most necessary consumables, including:

- RNA extraction
- Master mix
- Positive control

Easy and fast workflow



RNA extraction
0,3 mL sample is
treated and used for
RNA extraction



RT-qPCR
One-step

Catalogue numbers

CV19F (Master Mix) RT-PCR, CV19Q (Extraction) RT-PCR

DNA DIAGNOSTIC

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About us DNA Diagnostic A/S is a Danish biotech company established in 1992. DNA Diagnostic develops and manufactures qPCR test kits for rapid identification of pathogenic microorganisms. DNA Diagnostic also makes CE-IVD kits for detecting leukemia related translocations. DNA Diagnostic is ISO 13485 certified.

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