

Achieve a significant reduction of the PCR test time

**The new coronavirus gene detection kit**  
**CoV-2 RT-qPCR Detection kit**

"SARS

● New release ●

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Fujifilm Wako Pure Chemical Industries, Ltd.

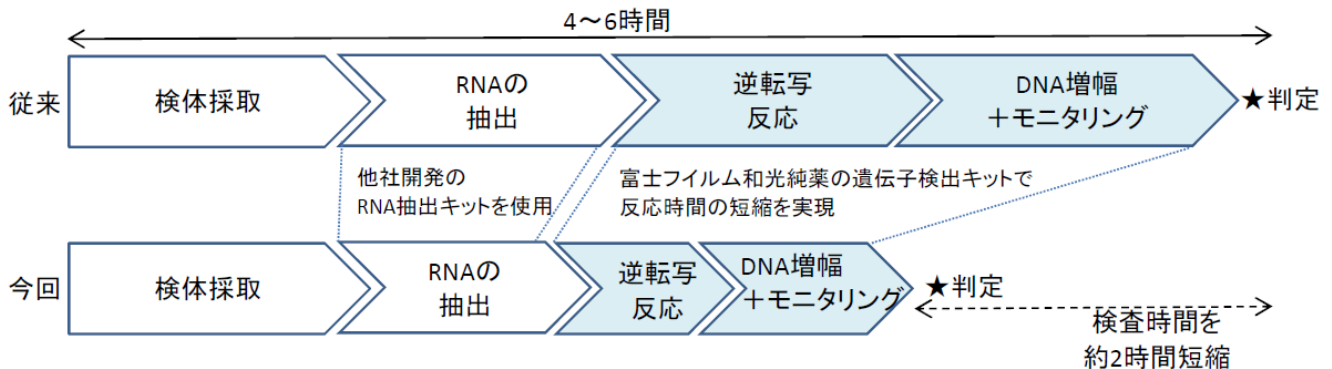
Fujifilm Wako Pure Chemical Industries, Ltd. (Head Office: Chuo-ku, Osaka, President: Kazuo Shiraki) is, PCR method ※1 It will be released from inspection new coronavirus infection that achieves a significant reduction of the time (COVID-19) for gene detection kit "SARS-CoV-2 RT-qPCR Detection kit" on April 15 that was used.

The new coronavirus infection (COVID-19) is defined with the specified infections in Japan on January 28, WHO has been recognized as a pandemic (worldwide epidemic) is on March 11. Japan National Institute of Infectious Diseases (hereinafter, National Institute of Infectious Diseases) in Japan other, Institutes of Health in each region, and in the inspection private laboratories have been made. PCR method which is currently performed, pretreatment of the sample, RNA extraction, reverse transcription reaction to convert RNA into DNA ※2, Real-time PCR to monitor amplification of DNA as a target in real time ※3 It is necessary to perform the inspection through each stage of, it takes between when the length until the determination result.

It utilizes cultivated detection know-how and technology so far, in view of the reverse transcription and real-time PCR improve efficiency at each stage in the development of test kits PCR method for which can shorten the total of about 90 minutes reaction time Succeeded. In addition to the reaction reagents, primers National Institute of Infectious Diseases is published ※Four Probe ※Five To produce a kit that was set, and then supplied as a detection kit that summarizes the reagents required for one of the kit to test.

By combining the product and the new RNA extraction kit companies development, PCR tests new corona virus infection using the (COVID-19) detected about the inspection time it takes 4-6 hours 2 it will be possible to shorten time.

★ image of shortening inspection time



We, as a base of business activities "will be the next of science Power, creativity to the happiness of the source of the people," the original philosophy, that collectively supply the detection kit of the new coronavirus infection (COVID-19) in, we will contribute to the speeding up of the new coronavirus inspection.

※ 1 abbreviation of the polymerase chain reaction (polymerase chain reaction). Repeated cycles a particular area (DNA region of interest) on the DNA sequence

Approach to amplification while returns. Application range is wide, has been utilized in various areas other than the study of biology. ※ with 2 reverse transcriptase, a technique for converting (reverse transcription) RNA and to DNA. Since the method for amplifying RNA itself has not been established, the detection

To advance, consisting of RNA requires reverse transcription of the DNA.

※ 3 The increase in DNA as a target to be amplified, quantitative monitoring technique in real time using fluorescent dyes. ※ 4 serving as a starting point for DNA replication as a target during the PCR reaction short (20 bases before and after) DNA ※ 5 DNA which specifically binds to a specific nucleotide sequence in the target DNA.

For inquiries about this matter, thank you to the following. Fujifilm Wako Pure Chemical

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