

Ahram Biosystems develops a Corona Virus Detection Kit that can diagnose the Virus within as fast as 21 min

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A new technology that can shorten the diagnosis time of COVID-19 (New Coronavirus infection) from 2 to 3 hours to less than 50 minutes is developed.

Ahram Biosystems Inc., a molecular diagnostics company, revealed on March 3rd that it has developed a ultra-fast genetic diagnostic kit that can detect COVID-19 within 1 hour (approximately 50 min).

The kit was developed following the guideline announced by WHO. It is designed to detect E gene (a pan-corona virus gene) and RdRP gene (a COVID-19 specific gene) through real-time DNA amplification; and therefore offers high sensitivity and specificity. An internal control gene is also developed to judge the compatibility of the collected sample, another way to reinforce the reliability of the kit.

Applying the new kit to a regular real-time PCR decreases the test time to one-third, from 2 to 3 hours to 50 minutes. If the kit is applied to Ahram Biosystems' Palm PCR™ S1, the test time is further decreased to 21 minutes.

“Both patients and medical staffs are exhausted by the COVID-19 outbreak, so it is paramount to release our ultra-fast detection kit as soon as possible,” Hyun Jin Hwang, the CEO of Ahram Biosystems, says, “we plan to export the kit to China, Europe, the Middle East, Indonesia, Turkey and other nations overseas to stop the corona infection.”

Ahram Biosystems is critically acclaimed to help building Korea's African Swine Flu prevention system with its ultra-fast detection kit.



<Palm PCR™ Ultra-fast COVID-19 fast POCT kit>