

## KAYA17 Inc.

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### **Kaya17 successfully completes third validation study of its rapid, 15min, accurate test**

Kaya17 Inc. developer of Innovative Point of Care test for COVID-19 and other medical diagnostics applications, completed its third clinical validation study in collaboration with Gateway Group, Newark, NJ.

Gateway Group is a leading provider of security services to various commercial and government organizations all over the country including a large presence of ground support staff at Newark Airport. They have a need to run COVID-19 tests for their personnel to ensure safe and healthy staff for critical operations. They are also in a position to offer such COVID-19 testing services to their various clients. Kaya17 is the first company to have developed a rapid (15min) Saliva test with PCR level accuracy. It offers a complete system with test kit, reader, and software.

170 samples were collected in this trial at the Newark Airport from employees of Gateway group using two readers supplied by Kaya17. Kaya17 trained four Gateway security personnel to carry out the test administration with no prior laboratory or testing experience. The tests were run at the Gateway facility by Gateway personnel. With less than thirty minutes of training, the security personnel were able to independently perform the test process and operate the reader and software. In addition to the Kaya17 reader and test kit, Kaya17 has also developed a patient ID system to make patient registration contact less and error free. This was the first time Kaya17 used its patient ID registration system using QR codes in a real-time Point of Care testing environment., validating the user-friendly interface and software.

The Patient ID system involves using a QR code to store the patient information. The Registration personnel were able to get all the registration information with a 5 second scan of the QR code. The QR code can be generated by an App on a smart phone or can be a QR code sticker on the ID card of each employee that needs to be tested. After registration, each patient is given a label with a unique patient ID sticker to paste on their sample tube. The Patient ID sticker prevents sample mix ups during testing. Results are then automatically generated in a csv file at the end of a testing session and transmitted to the Gateway authorities to take appropriate steps for those personnel found positive.

This was a prospective real-world study, with real patient samples procured at four different locations in the Newark airport. The validation was done against the RT-PCR

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test of Infinity Biologix with the help of CLIA certified personnel from Vault health. Gateway personnel taking the test were very pleased by the ease of use and patient-friendliness of saliva sample collection compared to nasal swabs.

Two readers were used to validate repeatability of results. Kaya17 test matched the RT-PCR results in 99% of the cases. The sample set contained 12 positive cases.

Kaya17 CCO, Dr. Shreefal Mehta, said, “The patient ID system was a great success. Even though untrained personnel did the testing, not one single sample got mixed up. Encouraged by the success of this real-world testing session, I feel confident that we can satisfy the point of care testing needs of customers anywhere in the world.”