



Breakthrough Point Of Care platform for **15-minute saliva based** COVID test, throughput of 30-50 tests/hour, and the **high accuracy** of laboratory-based tests.

Point of Care Rapid Testing

Kaya17 has developed a breakthrough, portable, inexpensive, yet sensitive and accurate test system to provide laboratory-level results at the point of care, whether in emergency rooms, doctors' clinics or at events, **when accuracy and speed matter.**

- CE IVD approved
- 98% overall accuracy in 4 clinical trials
- 15 minutes sample to results
- LOD of 20 copies/ml = 1st day infection detection capabilities
- 30-50 COVID19 tests/hour with just one reader instrument
- Saliva is convenient and preferred for safe and rapid testing of children and elderly, VIP guests, etc.

Improving healthcare with rapid, accurate POC Diagnostics

Differentiated Antigen Rapid Test

- PCR replacement with matching sensitivity, faster and with lower cost
- Great for children, elderly and others who cannot take nasal swabs
- Cost effective for events: 1 instrument processes 30-50 tests/hr/operator
- Ultra-sensitive test with pre-infectious detection that can stop spread of virus

Cartridge: A totally novel, patent-pending Vertical Flow Filter cartridge design allows for very high sensitivity measurements. It is also the platform on which the assay is processed.

Kit: A 50-test box has all the disposables (including cartridges) required to run the tests. Proprietary reagents allow saliva processing on site for excellent accuracy

Innovative Test Platform



Reader: Kaya17's Reader is powered by USB from a laptop and uses patent-pending imaging methods to deliver very high sensitivity measurements.

Analytical and Clinical Validation

Over 35 interfering materials and over 40 pathogens tested to show high specificity and non-interference

LOD of 20 TCID₅₀/ml established

No Hook effect (no false negatives at high viral load)

Over 600 subjects in 4 third-party clinical validation trials completed with **98% accuracy** :

ALL STUDIES	RT PCR Test Result		
Kaya17 Test Result	Positive	Negative	Total
Negative	5	376	381
Positive	246	4	250
Total	251	380	631

The Product:

- nCoVega Saliva based SARS-Cov-2 test kit with all disposables for running 50 tests.
- Reader instrument available for rent or purchase.
- Low skilled operators can be used as all reagents are packed in single-use sachets and no measurements needed
- Portable, "lab-in-a-briefcase"

