



KAPSCAN-AT

Air Quality Monitoring for SARS-CoV-2

KAP_{SCAN}-AT detects airborne SARS-CoV-2

The Covid-19 pandemic caused extreme disruption of the entire economy and threatened to overwhelm the health systems of countries worldwide. The Kromek Automated Pathogen Scanner (KAP_{SCAN}) technology provides the ability to act, react, and make better decisions in terms of public health and national security.

Kromek has developed the world's first SARS-CoV-2 air quality system using a targeted molecular assay in combination with automated air sampling, processing and detection.

KAP_{SCAN}-AT is fully autonomous and unmanned, and combines best-in-class technologies for air sampling, biological testing, and data management.

- Highly accurate
- Highly sensitive
- Ultra-low false positive rates
- Fully automatic
- Runs autonomously for up to 48 samples
- All-in-one, fully autonomous design

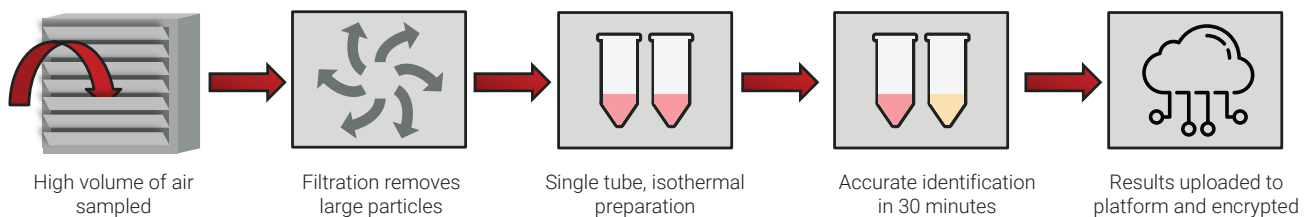
KAP_{SCAN}-AT can be used indoors, in static or mobile form factors and can be run continuously or as required. The device reports either the presence or absence of SARS-CoV-2 every 30 minutes. The assay is designed to detect all currently known variants of SARS-CoV-2

The speed and accuracy of reporting means you no longer have to wait until someone is symptomatic in a group of people. Localised monitoring enables a detailed understanding of the spread of a disease, allows mitigating actions to be taken such as targeted testing, decontamination. These actions prevent the isolation of individuals, groups, businesses and public areas, thus ensuring minimum disruption to the economy and assures future preparedness.



Metric	Performance
Time to result	60 minutes
Airflow rate	360 litres/min
Time between results	Every 30 minutes
Probability of detection	>99%
Size	Benchtop device
Samples per hour	2
Detectable pathogen	SARS-CoV-2

The reagents need to be changed once a day.



Kromek Group plc

UK NETPark Thomas Wright Way Sedgefield County Durham TS21 3FD T: +44 (0) 1740 626060

USA 143 Zehner School Road Zelienople PA 16063 T: +1 724 352 5288

E: sales@kromek.com W: www.kromek.com