

Fast Detection
Solution for
SARS-CoV-2,
Delta and
Omicron
Variants



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Features

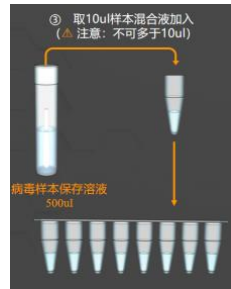
- **Portable and fast**
 - 40 minutes sample-to-answer RT-qPCR
 - Portable instrument for on-site, point-of-care testing
 - Easy to transport and storage of the reagent
- **Accurate and reliable**
 - Real time RT-PCR protocol, recommended by US CDC as the gold standard
 - As low as 100-copies per sample detection, 4-gene multiplex per tube
- **Ease of use and affordable**
 - Extraction free one-step sample-to-answer protocol
 - Complete turn-key assay plus instrument solution supported by the same company that created it.

Application scenarios

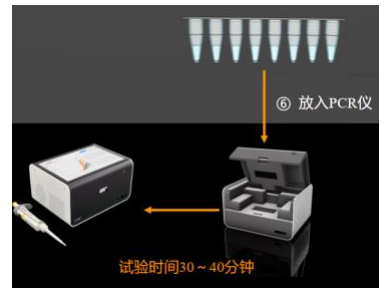
- Small labs
- Local pharmacies
- Airports, seaports, train stations
- Community health centers
-or any facility with limited space and few trained staff
- Sample handling capacity: up to 15 samples per test run per instrument.
 - 480 samples a day with 4 instrument and 8-hour shift

Work flow

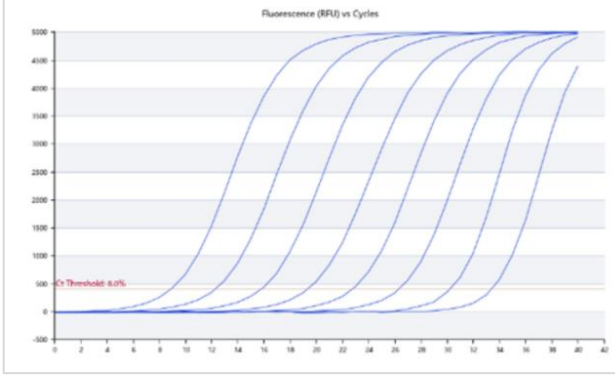
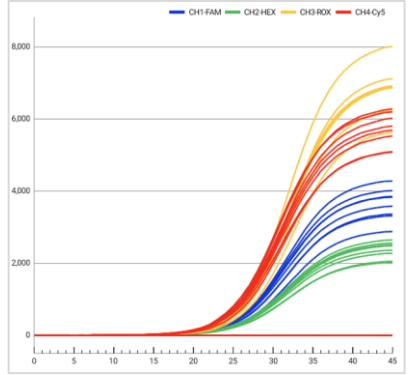
Step 1: Sample collection



Step 2: Real time RT-PCR



Step 3: Result analysis and report



Anitoa Innovation - Assay

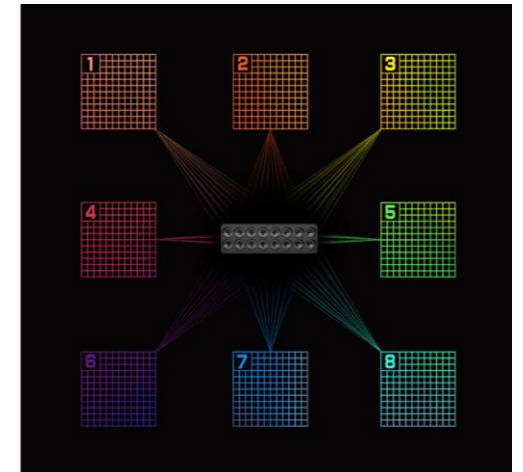
- **Fast Detection Solution (CE-IVD marked)**
 - Extraction free sample to answer real time RT-PCR
 - Lyophilized (freeze dried) master mix for ambient temp storage and transport (12 mo. shelf life)
 - Up to 4 multiplex fluorescence assay for multi-target gene detection
 - High sensitivity and high specificity - detect Covid-19 with Delta and Omicron variants in separate channels.



Fluorescence Channel	Fluorogenic Dye	Target Gene
1	FAM	(SARS-CoV-2) RdRp genes and N genes
2	VIC	Internally controlled gene
3	ROX	Delta variant
4	Cy5	Omicron variant

Anitoa Innovation - Instrument

- Maverick qPCR Platform (CE-IVD marked, US FDA registered Class II Exempt)
 - Powered by proprietary solid state (CMOS) bio-optical sensor.
 - Portable, low power
 - No calibration requirement, no internal moving parts.
 - Fast and up to 6 channel multiplex per sample. One dedicated sensor chip per channel
 - Cloud (via Wi-fi) enable secure software for ease of operation and reporting.



Ordering information

1. Ordering Information for Reagent

Item No.	Product Description	Specification	Validity
BR-HX-302D-2	Fast SARS-CoV-2, Delta Variant Detection Kit (Fluorescent RT-PCR)	48T/box	12 Months
BR-HX-402D-2	Fast SARS-CoV-2, Delta & Omicron Variant Detection Kit (Fluorescent RT-PCR)	48T/box	12 Months

2. Ordering Information for Instrument

Item No.	Product Description	Details
MQ1084	Maverick qPCR	8 wells, 4 channels, no touch screen
MQ4044	Maverick qPCR	4 wells, 4 channels, 10-inch touch screen
MQ4084	Maverick qPCR	8 wells, 4 channels, 10-inch touch screen
MQ4164	Maverick qPCR	16 wells, 4 channels, 10-inch touch screen

About Anitoa – Democratize molecular testing

- **Founded 2013**
 - Silicon Valley: Anitoa Systems, LLC, Sunnyvale, California
 - Hangzhou, China: Anitoa Biotechnology Co, Ltd
- **Designed and manufactures world’s most sensitive CMOS bio-optical sensor**
 - Created Maverick Line of portable multiplex qPCR systems
 - IP protected by US and international patents
- **CE, CE-IVD, US FDA certificates and registration**
 - ISO 9001, ISO 13485 manufacturing facilities in US (Fremont, CA) and China (Hangzhou, China)
- **Serving customers world-wide**
 - Asia, Mideast, Africa, US/Canada, South America, and EU...

