

# LIFELINE TO A BETTER TOMORROW



# Everyone's Ark

## We believe

everyone deserves equal access to medical diagnoses, treatment and quality care.





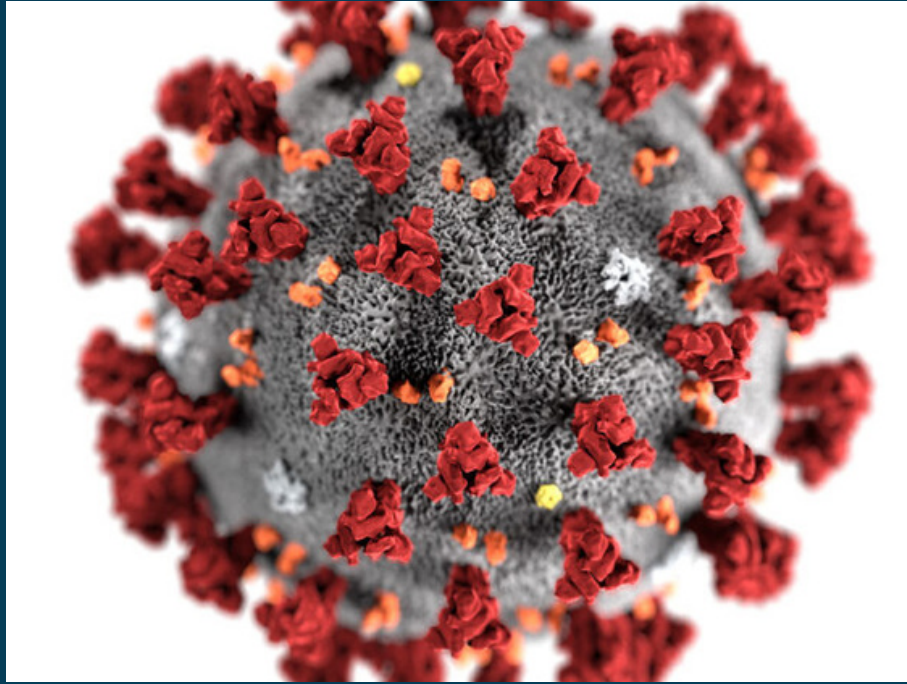
## A Singapore company

that distributes high quality biomedical products to the rest of the world.



**INSPIRED BY NOAH'S ARK, WE  
HOPE TO PROVIDE A LIFELINE  
TO A BETTER TOMORROW.**





## RAPID INCREASE

The daily number of cases are increasing at a worrying rate. Hospitals and laboratories are overwhelmed.



## POOR QUALITY & CARE

Overwhelmed facilities resulting in longer wait times for accurate diagnosis.



## LIMITED ACCESS

Countries that are huge and lack proper laboratories have lower turnaround rates.

Hospitals and test centres are often located too far.

# A GLOBAL PANDEMIC

# Current Market Offering

- Detects only 1 genome region (ORF1ab gene) therefore will not detect any viral mutation if any
- Only runs on large, centralised systems
- Not optimize for mobile lab setting
- Inconclusive results





## BioAcumen SARS- CoV-2 Multiplex RT-qPCR Assay

1. Detects for two genome (ORF1ab + N gene) instead of one
2. Advantageous as mutations occurring on one gene may result in an immediate drop in sensitivity of qPCR primers/probes
3. Dual gene detection ensures uncompromising results viral mutation
4. Optimized for mobile lab settings
5. Optimized for both spin column extraction used in centralized labs and mobile extraction solution
6. Specificity has been done both in silico and wet lab validated with other respiratory pathogens to ensure specific results for SARS-CoV-2



2<sup>nd</sup> February 2021

To: Whom it may concern

**Subject: BioAcumen's BioA SARS-CoV-2 Real-Time RT-PCR v1.0 Detects New United Kingdom, South Africa, and Brazil Variants**

In light of recent reports of variant strains of SARS-CoV-2 virus from the New United Kingdom, South Africa, and Brazil, BioAcumen Global Pte Ltd has done precautionary checks of the primers and probes in our assay against known viral genomic sequencing for these confirmed strains found on GISAID Database.

We are pleased to inform that no mutations have been found to affect the primers and probes of our assay detecting the ORF1ab gene and N gene of the SARS-CoV-2 virus.

To date, BioAcumen Global Pte Ltd has completed checks of 93,506 SARS-CoV-2 sequences from the databases of NCBI and GISAID and our team will continue to do so to ensure the detection sensitivity of our product.

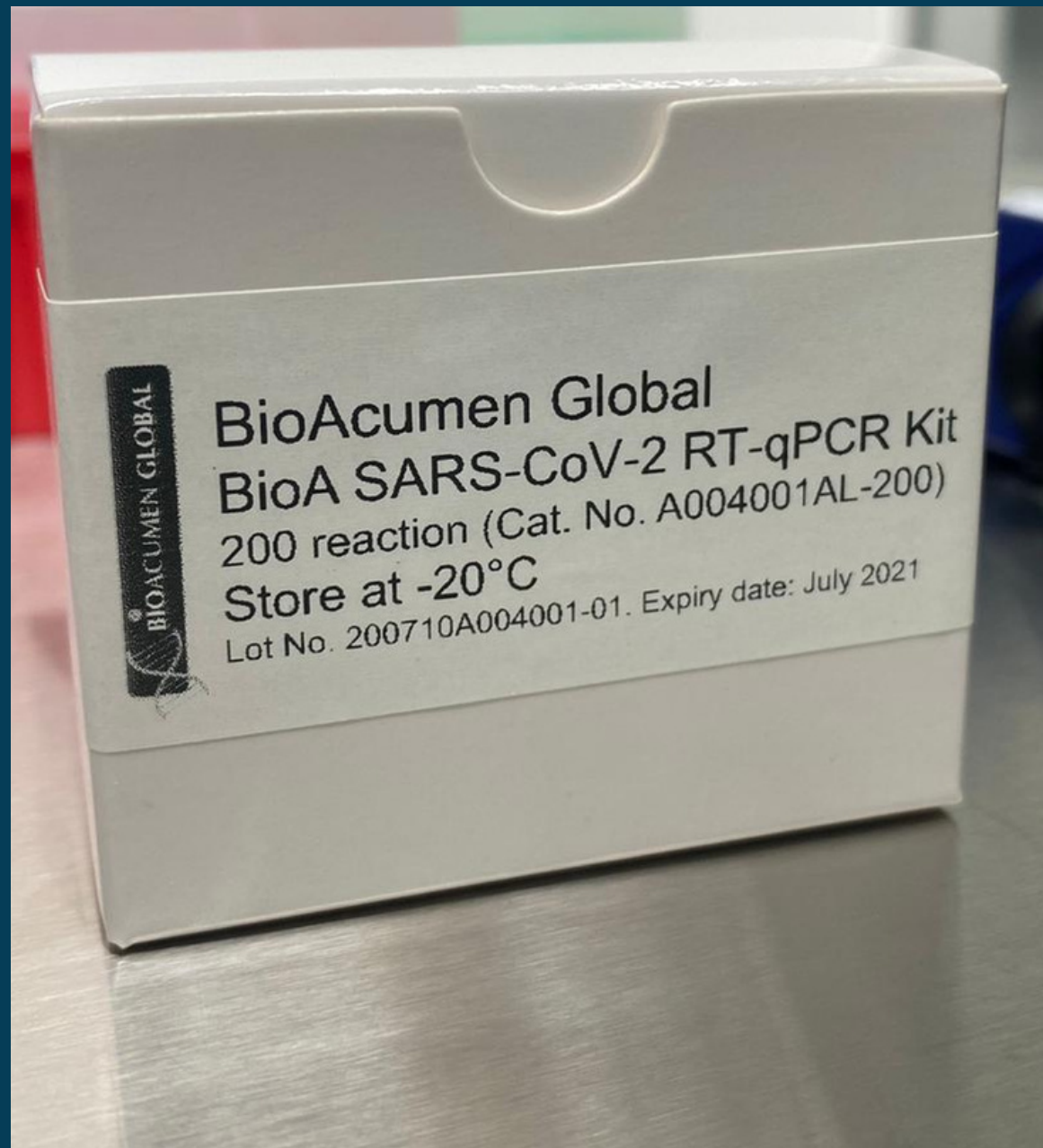
Jimmy Toh  
Scientific Director  
BioAcumen Global Pte Ltd.

# BioAcumen SARS- CoV-2 Multiplex RT-qPCR Assay

- 7. Detects new variants
- 8. CE and HSA Certified
- 9. Cold chained at -20 degree celcius



# Price Plans



## BioAcumen SARS- CoV-2 Multiplex RT-qPCR Assay

1,000 to 49,800 tests - US\$16

50,000 to 99,800 tests - US\$14

100,000> tests - US\$12

1 box contains 200 test

MOQ: 1000 tests

*Price quoted are based on Ex-Warehouse*

**Cathegene viral RNA/DNA Extractors** 1 unit - US\$6

# Biomeme Franklin Three9 Thermocycler

Performs PCR, RT-PCR, qPCR and Isothermal tests



**99.8% accuracy in  
under 70 minutes\***

**Complete mobile solution from  
extraction to detection**

SARS-CoV-2 Multiplex RT-qPCR Assay +  
BioMeme Franklin Three9 qPCR Thermocycler

# KEY FEATURES

## REAL-TIME RESULTS

Determine the presence or absence of the target(s) in samples and quantify the starting quantity in under 70 minutes.\*

## PORTABLE & COMPACT

Handheld and lightweight built for the field. Developed for applications that are time and location-sensitive.

## ENHANCED PERFORMANCE

Performs to the standard used by the most advanced labs without requiring any special lab equipment.

## THREE TOTAL CHANNELS

Enables multiplex real-time detection of up to 9 samples or 27 targets.



# KEY FEATURES

## EASE-OF-USE DESIGN

Built for users without prior experience to easily run PCR in the field.

## INTUITIVE COMPANION APP

BioMeme Go wireless pairs with Franklin to programme custom thermocycling parameters.

## WIRELESS & BATTERY OPERATED

Run experiments offline of up to 6 runs depending on the required protocol.

# Process Flow on site



## STEP 1

Deploy team with  
Biomem Franklin and  
BioAcumen SARS-Covid  
19 test kits

## STEP 2

Secure perimeter and  
begin operations for  
population testing

## STEP 3

Isolation and treatment  
of infected to be  
administered  
immediately

## STEP 4

Use data collected to  
perform contact tracing  
and additional testing if  
required

# Price Plans



## **Biomeme Franklin Three 9 Thermocycler**

1 to 4 machines - US\$12,000

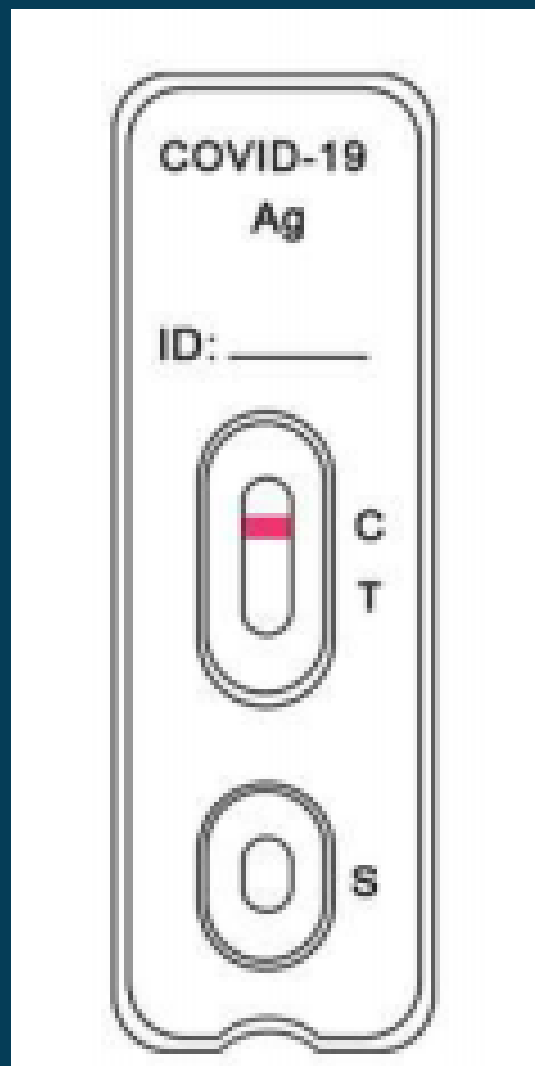
5 to 9 machines - US\$11,700

10 machines> - US\$11,500

*\*check in with us for CIF or DDP prices*



# Antigen Test Kits



+/- 92% Accuracy

Suitable for mass testing and mobile sites

Quick and accurate

CE Marked

MOQ: 1000 test kits (20 boxes)

Price: US\$5.50 FOB Hangzhou

# Covid 19 Influenza A+B Antigen Combo Rapid Test

## Kit Content



+/- 92% Accuracy

Suitable for mass testing and mobile sites

Instant results (within 15 mins)

CE Marked

MOQ: 100 test kits

Price: US\$8 FOB Hangzhou



# IgG/IgM Antibody COVID 19 Test Cassette



+/- 90% Accuracy

Suitable for mass testing & mobile sites

Instant results (within 15 mins)

TGA, ANVISA, CE Marked

MOQ: 1000 test kits (20 boxes)

Price: US\$4.50 FOB Hangzhou



# Covid 19 Spike Glycoprotein Detection Kit (Antigen)



+/- 90% Accuracy

Suitable for mass testing & mobile sites

Instant results (within 25 mins)

Samples from sputum and/or stools

MHRA Certified, CE Marked

MOQ: 1000 test kits (25 boxes)

Price: US\$4.50 FOB Hangzhou



BFE 99%  
ASTM L3  
FDA Approved & CE Marked  
Standards: EN14683:2019  
Certification availble upon request  
Suitable for medical use  
Available in 3 or 4 plys  
Kids masks, KN95/N95 (indent basis)  
Samples available upon request  
MOQ: 80,000 boxes  
Price: US\$5.80/box CIF

4 PLYS DISPOSABLE FACE MASK - LEVEL 3 ASTM - TYPE IIR (EN 14683) - 99%  
CODE: ACM4L99



FEATURES:

- Bacterial Filtration Efficiency (BFE) : 99%
- Differential Pressure mm H2O/cm² (Pa/cm²): <5.0 / <49.0
- Submicron particulate filtration efficiency at 0.1 micron: >= 98%
- Splash Resitance/ Synthetic Blood resistance :160 mm Hg
- Flame Spread: class 1

GENERAL DESCRIPTION

|                   |                  |            |  |
|-------------------|------------------|------------|--|
| Name of Commodity |                  |            | Medical Mask   |
| Brand             |                  |            | ANCARE   |
| Certificate       |                  |            | FDA,CE, QCVN 2017/BCT, Level 3 (ASTM), BS EN 14683:2019 (Type II R)                  |
| Standard          |                  |            | ISO 13485:2016, ISO 9001:2015  |
| Sterilization     |                  |            | Non  |
| Utilization       |                  |            | Prevent dust, Bacteria invade, Anti-UV, Prevention of Virus and respiratory diseases |
| Fixation          | Loops            |            | 2 pieces to be fixed by Press Machine  |
| Composition       | 2 Outer Layer    | Outer      | PP Non Woven Fabric SS - 35 gsm  |
|                   |                  | Model      | Standard   |
|                   |                  | Color      | Blue and white   |
|                   |                  | Stamp      | ANCARE or Non  |
|                   | Filtration Layer | Middle     | PP Meltblown fabric - 25gsm  |
|                   |                  | Color      | White  |
|                   |                  | Filtration | BFE 99%  |
|                   |                  | Efficiency | BFE 99%  |
|                   | Inner Layer      | Inner      | PP Non Woven Fabric S - 25 gsm   |
|                   |                  | Color      | White/Blue   |
|                   | Loops            | Fixed Way  | 2 pcs of loops are sealed on Left and Right by Press Machine                         |
|                   |                  | Color      | White  |
|                   |                  | Material   | 100% Flat type cotton loops  |
|                   |                  | Color      | White  |
|                   | Nose Piece       | Material   | Plastic  |
|                   |                  | Location   | At the centre of the Upper Part of the Face Mask                                     |



## Disposable Face Shield

AGL-1, 330mm x 220mm

CE Marked, FDA Approved

Full facial protection from spray and splatter,  
includes top visor shield

Anti-fog treatment inside and outside

Foam headbands for pressure relief

Lightweight, fast and easy to wear

Single use only

MOQ: 1000 Boxes

1 box = 10 pcs

Price: US\$29/box FOB Tianjin







## Disposable Sterile Medical Gown

CE Marked, FDA Approved  
Surgical isolation gowns, 45 GSM,  
laminated with elastic cuffs  
BFE: 95, CAT2 SMS

MOQ: 1000 boxes (10pcs/box)  
Price: US\$42/box FOB Tianjin



# Connect With Us

## EMAIL ADDRESS

[sales@ark-venture.com](mailto:sales@ark-venture.com)

## CONTACT

+65 9777 4759