

SWIFT BIOMED

Accelerated testing solutions



PATENTED TECHNOLOGY



SWIFT-Pathocheck

The Team



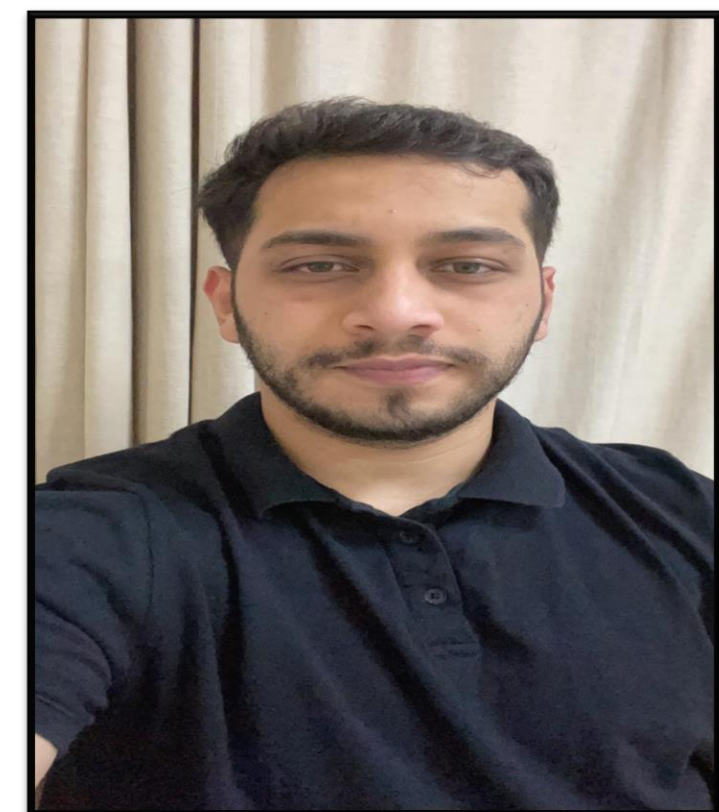
جامعة خليفة
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Shayaan Syed
Operations and Supply
Chain

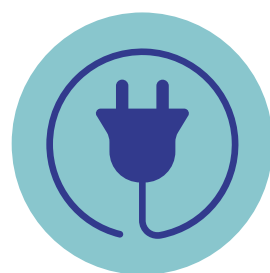
Problems with existing COVID-19 testing methods as a point of care diagnostic tool.

Antigen	DPI	RT-PCR
Accuracy of 74%	Accuracy of 86%	60 mins required to get the results
	Requires blood samples	Expensive setup
		Complex procedure

SWIFT-Pathocheck



Rapid detection
(within 40-45minutes).



Portable- 205 mm (l)×79
mm (w)×26 mm (h).



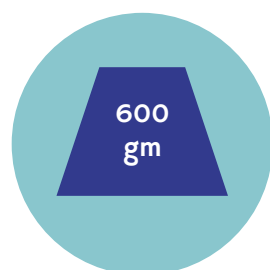
16 samples at a time.



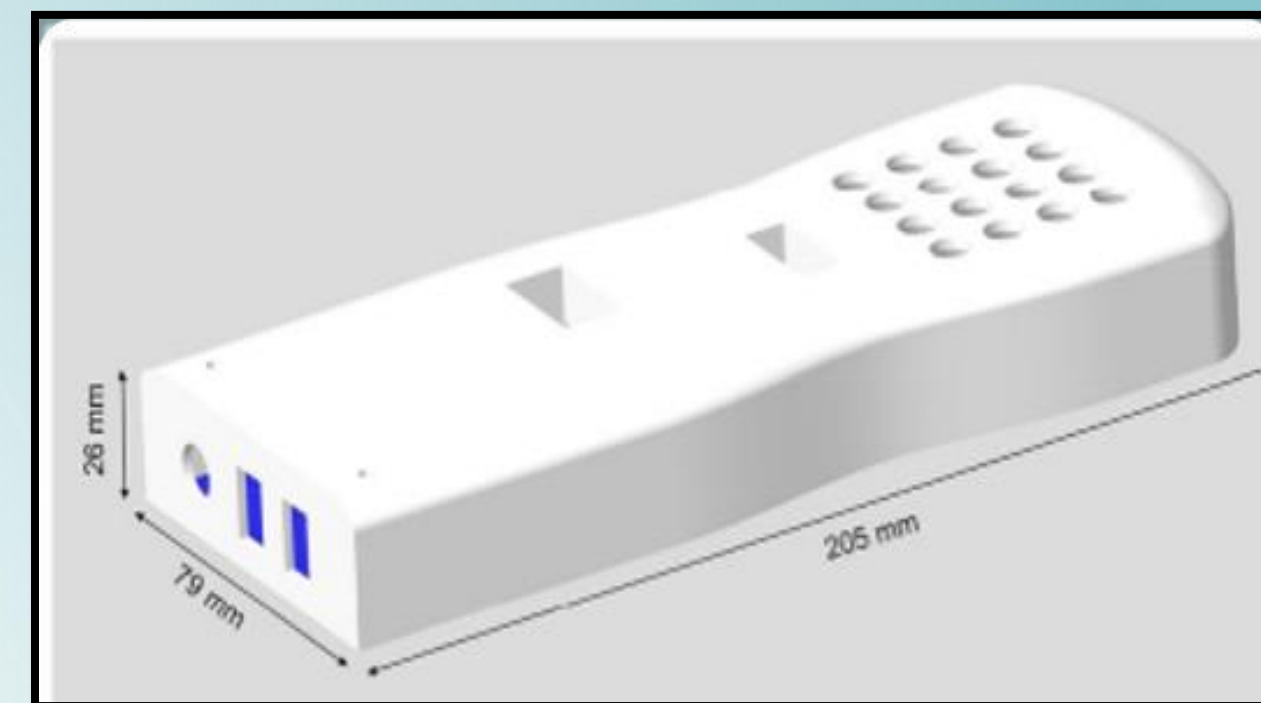
Utilizes RT-LAMP procedure.



Requires 3 Amps at
5 V D.C.

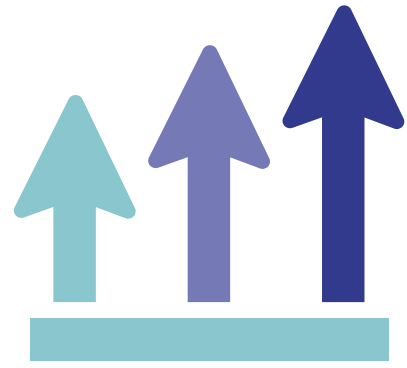


The weight of the device
is 500 gms.



هيئة الصحة - أبوظبي
HEALTH AUTHORITY - ABU DHABI





Benefits

1

Easy to deploy.

2

Can be utilized as a point of care diagnostics tool.

3

A device with an accuracy of 97% which is on par with RT-PCR procedures.

4

No. of samples that can be tested simultaneously can be scaled as per requirement.

5

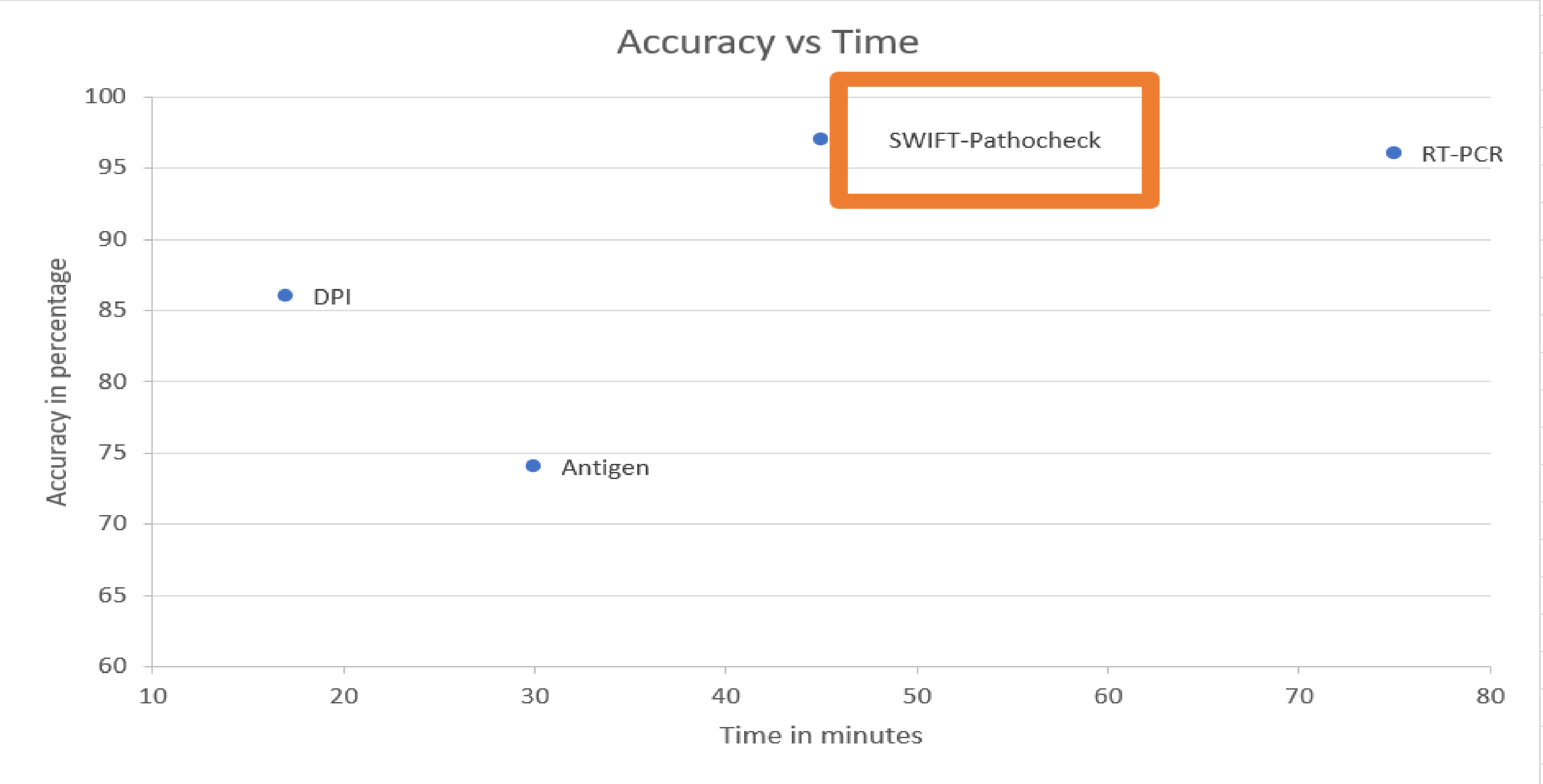
Same device can be utilized to detect other viral diseases such as dengue, malaria, rabies etc.

6

Robust and Economical.

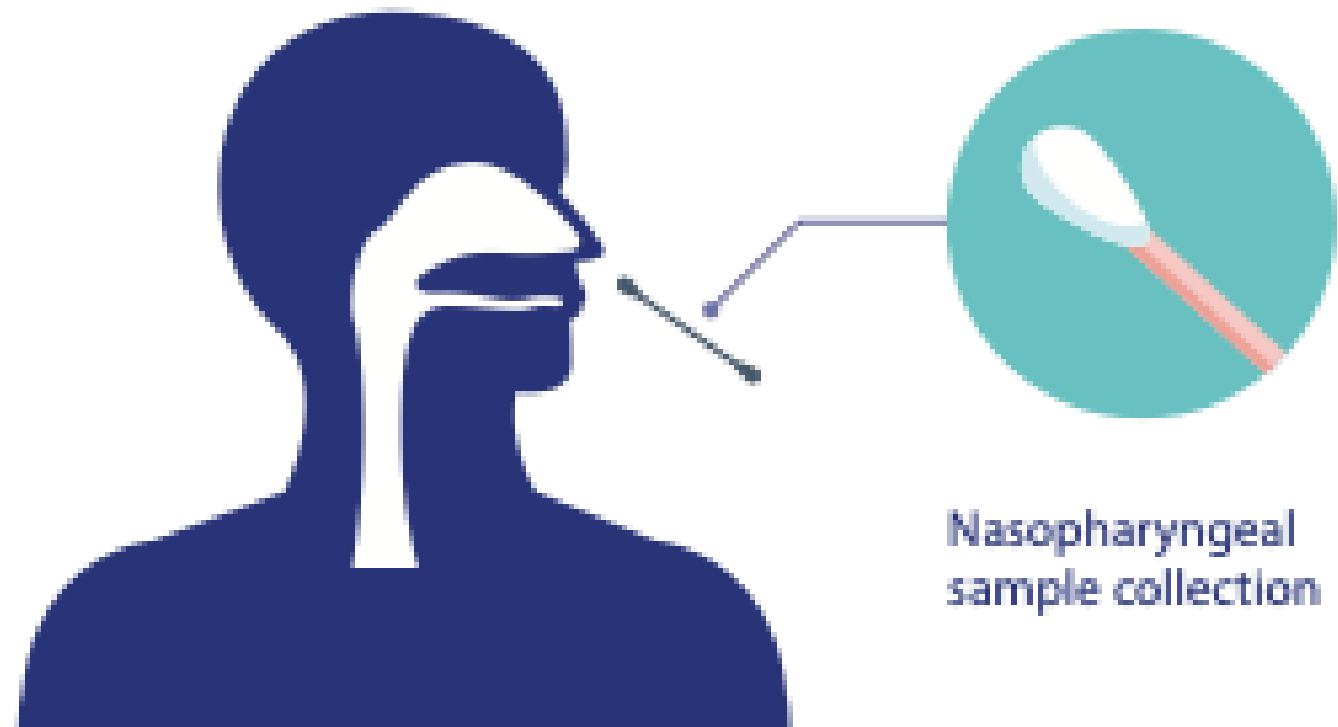
Performance of different testing procedure with respect to accuracy and time needed to get the results.

Accuracy vs Time

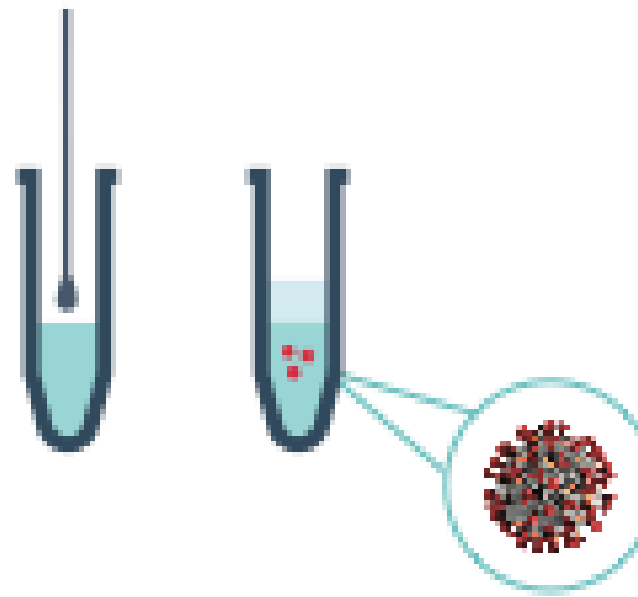


Testing Procedure

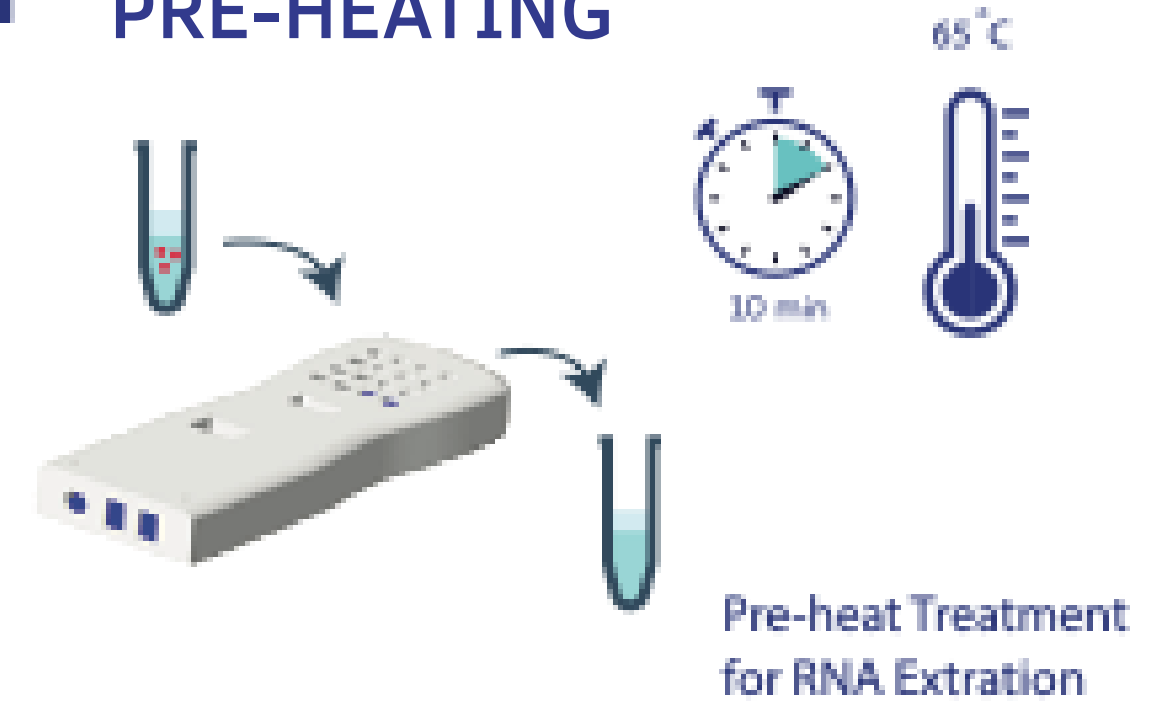
1. SAMPLING



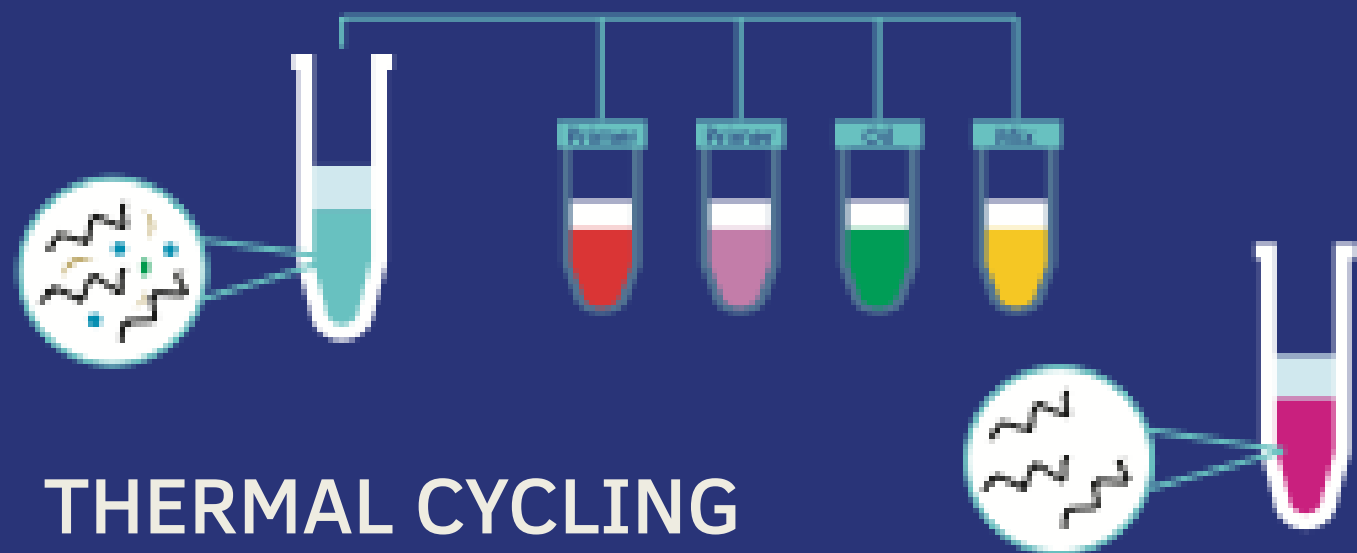
2. REAGENT MIXING



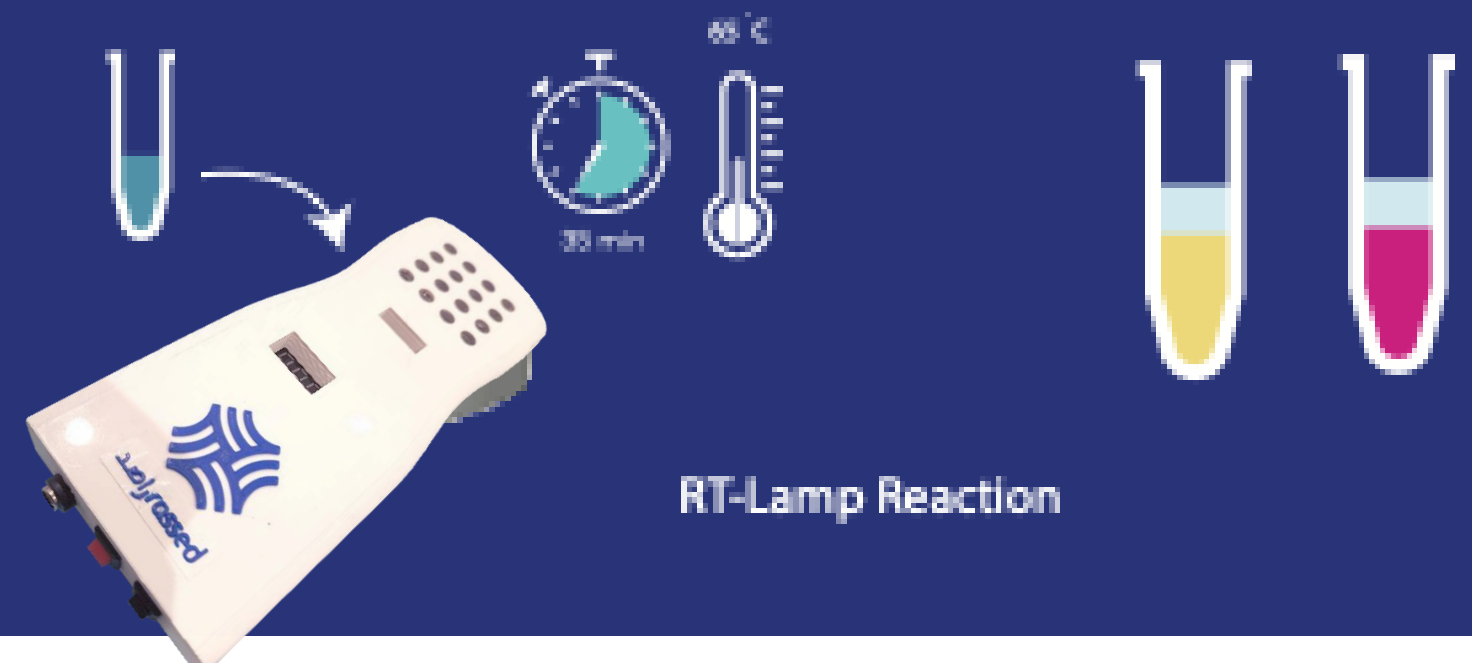
3. PRE-HEATING



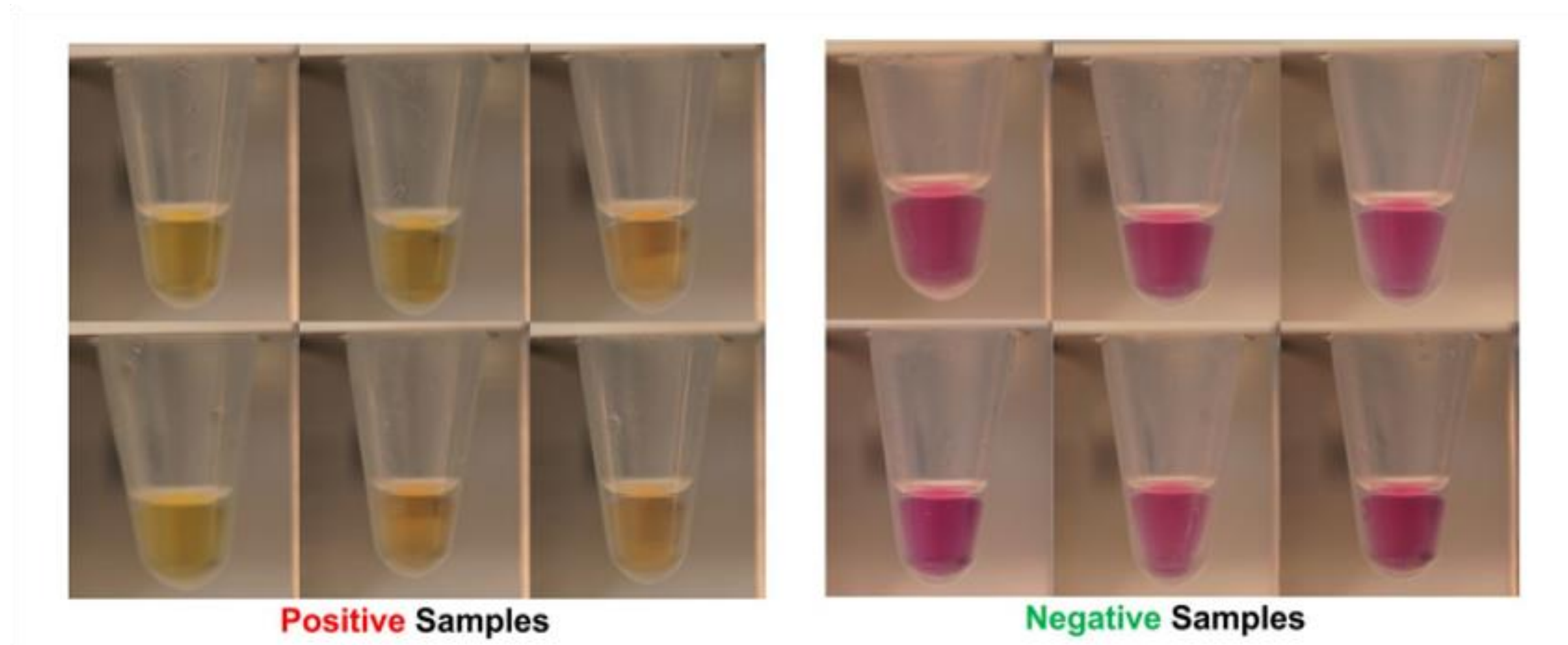
4. THERMAL CYCLING



5. RT-Lamp Reaction



Results



EXISTING TECHNOLOGY

BIORAD 1704950 **VS** RASSED_A2020

BIORAD

- Selling Price 1,00,000 AED approx.
- Analysis type: Qualitative & Quantitative
- Total Testing Time: 90mins -120mins



RASSED

- Selling Price 1000AED approx.
- Analysis type: Only Qualitative.
- Total Testing Time: 35mins - 45mins



Competitors

Switch Health

Switch Health is a Toronto-based healthcare company dedicated to providing better decentralized patient care

- **600 AED** per kit
 - **Available in Canada**
-

ICMR_NIV developed RT-LAMP kit

- Approx. **150 AED** per test kit
- Technology has been transferred to some companies for manufacturing
- **Developed in India**

Market Size

- The market share of Covid-19 diagnostic is calculated to be around \$46 billion in 2021.
- Instrument's share comes to be around \$5.75 billion.
- The global Antigen test market is forecasted to grow to \$8.3 billion by 2027.

BUSINESS MODEL



B2B

Technology and
equipment
supplier



B2C

Testing services,
own portable lab

POTENTIAL CLIENTS



وزارة الصحة ووقاية المجتمع
MINISTRY OF HEALTH & PREVENTION



THANK YOU
