

# *Palm PCR™ COVID-19 Fast POCT System*

**Sample to Result within 1 hour**

***Ultra-Fast & Highly Sensitive RT-PCR***

***Rapid & Efficient Direct RNA Extraction***

***No Need to Change your Real-time PCR Instrument***



## **COVID-19 Fast POCT System**

### **COVID-19 Fast POCT Kit**

- *Palm PCR™ COVID-19 Fast Real-time RT-PCR Kit*
- *Palm PCR™ Viral RNA Direct Extraction Kit*

### **Equipment**

- *PalmTron™ E1 Portable Nucleic Acid Extractor*
- *Ahram™ RX1 Portable Centrifuge*
- *Use your ABI or Bio-Rad Real-time PCR Instrument*

**Ahram Biosystems, Inc.**

# Palm PCR™ COVID-19 Fast POCT System

## Simple & Fast Workflow

### Step 1. Direct Extraction



### Step 2. Real-time RT-PCR



**Direct Extraction**  
**< 5 min**



**Centrifugation**  
**2 min**



**Your PCR Device**

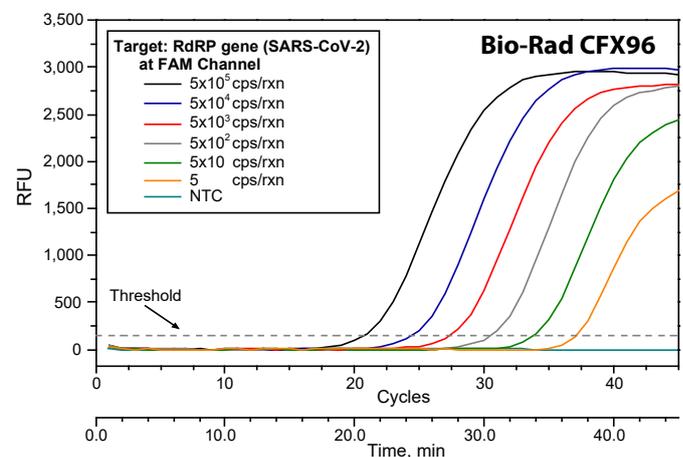
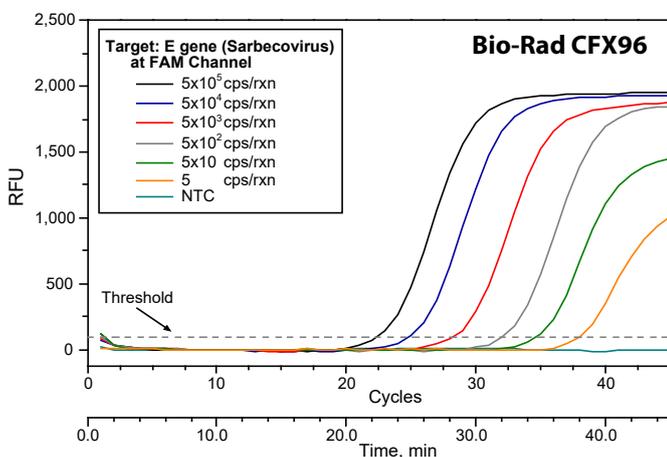
**Real-time RT-PCR**  
**50 min**

## Ultra-Fast MDx with Extreme Sensitivity

### Sensitivity of COVID-19 Fast POCT System

COVID-19 Fast POCT System delivers accurate results with high sensitivity down below 1~1.6 copies/ $\mu$ L, in less than 1 hour.

Shown below are results of detecting RNA templates: **Assay 1** for detecting **E gene** common to both SARS-CoV-2 (previously known as 2019-nCoV) and SARS-CoV and **Assay 2** for detecting **RdRP gene** specific to SARS-CoV-2.



< Results of COVID-19 Fast POCT Diagnosis >

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