



## **JunoCOVID-Dx: At a Glance**

-What is it?

A special edition product of Juno Viral Health Diagnostics that fully integrates COVID-19 viral detection and tracing.

-Why JUNO?

JUNO Metabolomics is a scientific company with deep expertise in developing viral disease management technology.

-What makes JunoCOVID-Dx a game-changer?

JunoCOVID-Dx offers faster, deeper, and broader levels of detection to combat viruses with a high mutation rate, such as COVID-19.

-Is the product ready for the market?

The beta product is currently being used for clinical trials, and the company is expanding to build a proper infrastructure to meet market demands.

-Is the product FDA approved?

We expect to get approval within the next 45 to 60 days.

If you have more questions, please contact [sales@junometabolomics.com](mailto:sales@junometabolomics.com)



## Executive Summary

### JunoCOVID-Dx

A Special Edition of Juno Viral Health Diagnostics

“Uncover Unseen Details to Tackle Global Pandemics”

#### 1. Current Challenges in COVID-19 Testing and Tracing

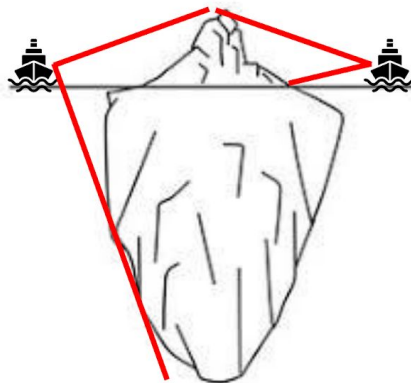
- Lack of effective diagnostic testing prone to produce “**false negatives**”  
:Current testing is built upon reference libraries for **only known viruses**  
:Current test-kits designed to test only **one viral strain at a time**  
\*SARS-CoV-2 has **over 200 variations** deposited in GenBank since December 2019
- Current testing only provides a **yes or no** result to identify active virus on symptomatic patients **leaving asymptomatic patients undetected**
- **No automated data traceability** and no real-time outbreak mapping which is critical to further contain the spread of the virus and build future prediction models.

#### 2. What is JunoCOVID-Dx?

**JunoCOVID-Dx** is a special edition product of **Juno Viral Health Diagnostics** that features **rapid, reliable multiplexed detection of current and emerging viral strains** and the **ability to capture potential mutations**. JunoCovid-Dx offers a simplified and non-invasive **home-based or isolated sample collection kit**. The assay is fast, highly accurate, and capable of testing high volumes (i.e. **96 tests in less than 10 minutes**).

##### JunoCOVID-Dx

- tests for multiple (+ mutating) viral strains in a single test
- identifies virus in asymptomatic & presymptomatic patients
- automated data traceability for real-time outbreak mapping

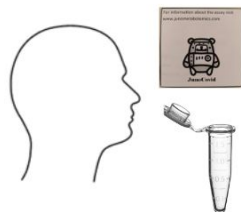


##### PCR Based Test

- tests for one viral strain in a single test
- “yes” or “no” result identifies virus in symptomatic patients only
- single report; no built-in backend data management



## Solution Packaging:



**JunoCOVID-Dx Kit**  
Home Saliva  
sample collection kit



- JunoCOVID-Dx**
- MS Diagnostics
  - Multiple Pathogen Detection
  - No PCR solvents
  - No in-lab sample prep
  - Minimal reagent use
  - Repurpose collected sample for future studies



- Juno Informatics**
- Cloud-based
  - Interconnected
  - Notification on emerging strains
  - AI-driven real-time 24/7 Data Analysis
  - Integrated with current applications



- Juno Viral ID Libraries**
- Cloud optimized
  - Interconnected
  - Pluggable into viral screening platform for instance IDs
  - Easy integration with existing applications

### 3. JunoCOVID-Dx : Key Advantages and Main Differentiators

- First in U.S. miniaturized MS platform; highly mobile
- First in building proprietary protein viral libraries for diagnostics
- No PCR solvent - no reliance on reagent supply chain that limits large scale testing
- Based on **Nobel prize** winning technology & **FDA approved methods**
- Easy outbreak forecasting - **multiple viral detection** in one sample, vs. single virus detection per sample using PCR method
- Enduring and expandable technology; **ready for any outbreak**
- Clinically driven technology
- A part of **Juno Viral Health Diagnostics**, the most advanced diagnostic solution in the market for viral outbreaks.

\* **JunoCOVID-Dx is working toward FDA Approval completion in the next 45-60 days.**

### 4. Contact JUNO Metabolomics for more information:

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Web: <https://www.junometabolomics.com/junocovid19>