



JPL CBRN SPECIAL OPERATIONS FORCES BIOMEME COVID-19 TEST SYSTEMS

JPL CBRN Special Operations Forces mission is to rapidly acquire and equip Special Operations and Special Purpose Forces with critical, capability-gap-filling, chemical, biological and radiological defense equipment necessary to underwrite mission success. To further develop crucial technologies necessary to the survival and unimpeded employment of special operations forces in toxic environments and transition those technologies to other Programs of Record to enhance the capability of the Joint Forces.

OVERVIEW

Biomeme COVID-19 tests identify the presence of the virus in human nasopharyngeal samples. The test is available in a "Go-Strip" format* used on a small, highly portable, field-based machine for point-of-care testing. Positive results are indicative of active infection; negative results do not rule out infection and should not be used as the sole basis for patient management decisions. Tests can be stored at room temperature for at least one year.

**Awaiting Food and Drug Administration Emergency Use Authorization (submitted 13 March 2020).*

WHY DOES DOD NEED THIS?

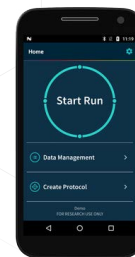
- To test service members for COVID-19 infection
- Need a near-term alternative source of COVID-19 tests to support high-throughput testing on existing diagnostic platforms already in use around the country
- Need a highly-portable testing capability for point-of-care testing for Warfighters in hard-to-reach areas or where high-throughput testing is not available or feasible

WHY IS JPEO-CBRND SUPPORTING THIS?

- Supports biological detection capability fielded to SOF operating in austere environments far from high-throughput testing
- Biomeme tests can be used on JPEO-CBRND's Joint Handheld Bio-Agent Identifier (JHBI) (known commercially as the Biomeme Franklin™ three9)

JHBI ATTRIBUTES

- Runs on battery or main power
- Lightweight (~4 pounds)
- Controlled by smartphone
- Results in less than an hour
- Sample prep in less than 2 minutes



“ EVEN THOUGH THIS THREAT WAS BROUGHT BY MOTHER NATURE INSTEAD OF AN ENEMY, JPEO-CBRND STILL HAS CAPABILITIES TO BRING TO THE FIGHT ” - DR. JASON ROOS

Government Partners

- Assistant Secretary of the Army (Acquisition, Logistics and Technology)
- National Guard Bureau

Industry Partners

- Biomeme, Inc.

Funding: U.S. Army



Biomeme