



Joint Biological Agent Identification and Diagnostic System **JBAIDS**

Description

The JBAIDS is a reusable, portable, modifiable biological agent identification and diagnostic system capable of rapid, reliable and simultaneous identification of multiple biological agents and other pathogens of operational concern. Sixteen pathogen surveillance assay kits are deployed covering 14 Biological Warfare (BW) agents. In addition, the Joint Product Management Office Biosurveillance (BSV)-JBAIDS has seven, (7) U.S. Food and Drug Administration (FDA) cleared in vitro Diagnostic (IVD) kits (Anthrax, Tularemia, Plague, Q-Fever, and H5 avian Flu, Influenza Typing Kit for Pan Influenza A, Influenza B, and a Influenza A Subtyping Kit (Seasonal Influenza A/H1 and H3, Swine Influenza A, and Influenza A (H1N12009). The two newest influenza kits (Typing and Subtyping) received FDA clearance on September 13, 2011, after an accelerated 16 month development effort culminating in clinical trials at six (6) DoD hospitals in early 2011. Delivery of the JBAIDS Influenza Flu diagnostic kit started in December 2011 to forward deployed DoD JBAIDS equipped units in CENTCOM, Navy large deck ships (carriers and amphibs), and Navy medical test laboratories in time to meet 2011-2012 flu season testing requirements. In 2012, BSV-JBAIDS program team plans to develop a new Glanders/Melioidosis IVD kit and integrate food pathogen surveillance assays, e.g., E.coli, Salmonella, Campylobacter, Listeria , onto the JBAIDS platform to support DoD Veterinary Services Detachments' mission needs and National Guard Bureau Civil Support Team requirements. The BSV-JBAIDS management office declared FOC (full operational capability) on 31 July 2011 (350 JBAIDS delivered over six years), after the final Navy JBAIDS shipboard and medical laboratory systems (20) were delivered in July 2011.



Mission

Provide rapid positive identification and diagnostic confirmation of Biological Warfare Agents and other pathogens of operational concern.

Capabilities

- Single DoD accepted platform for both identification and diagnostic confirmation of biological agents.
- Operation in fixed medical laboratories and deployed medical units.
- Improvements over existing technology: Provides simultaneous identification of multiple biological agents.
Rapid identification.

Users

National Guard Bureau, US Navy, US Marine Corps, US Army, US Air Force

Status

Production and Deployment

This Fact Sheet was cleared for public release on 3/7/2012.

Point of Contact: Chemical, Biological, Radiological, & Nuclear Information Resource Center (CBRN IRC), CBRN.IRC@us.army.mil,
Toll Free: 1-800-831-4408, Commercial: (309) 782-7349, DSN: 793-7349, Fax: (309) 782-1919