

International Biosecurity

Biosafety & Biosecurity for a safer World

Since 2013, the German Federal Foreign Office has been supporting partner countries in mitigating biological risks through the German Biosecurity Programme. The programme is part of the Federal Government's preventive security policy.



Capacity Building
Networking
Awareness Raising
Surveillance
Detection & Diagnostics

The programme raises awareness of and minimises the risks associated with highly pathogenic agents - including their potential abuse for terrorist purposes. As part of the German Biosecurity Programme, we are implementing projects in West Africa, Tunisia, Georgia, Uzbekistan and Ukraine.



Training of Tunisian partners in the mobile laboratory



Deployed IMB mobile laboratory



Bundeswehr Institute of Microbiology

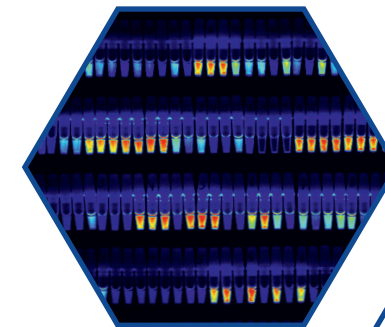
Neuherbergstr. 11
D-80937 München

+49 (0) 89 992 692 3981
institutfuermikrobiologie@bundeswehr.org
www.instmikrobiobw.de

Images | Bundeswehr Institute of Microbiology

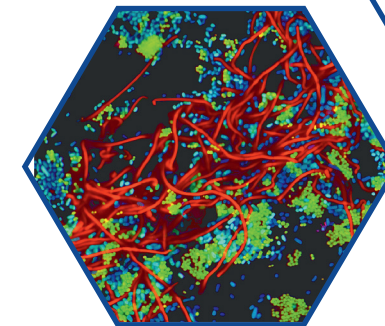
Bundeswehr Institute of Microbiology

Research for Safety & Security



Diagnostics
& Detection

Bioforensics



Research &
Development



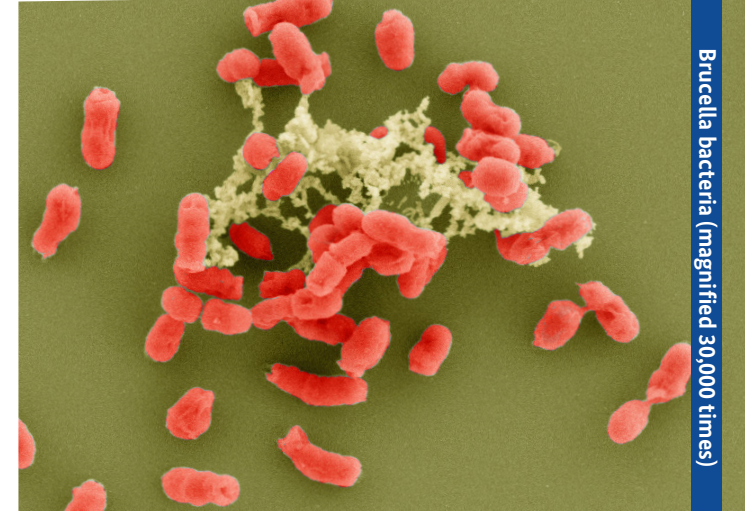
IMB

INSTITUT FÜR MIKROBIOLOGIE DER BUNDESWEHR
BUNDESWEHR INSTITUTE OF MICROBIOLOGY



OUR DIAGNOSTICS: In the event of an unusual disease outbreak, it is crucial to identify the source as quickly as possible. If a biological origin of the outbreak is suspected, expert teams from the institute are immediately on standby to investigate the situation.

Using defined protocols and methods, the teams can unequivocally distinguish an intentional release of pathogens or biotoxins from natural outbreaks and unintentional releases.



OUR MISSION: The Bundeswehr Institute of Microbiology is a scientific center of competence for medical biodefense. We research high-consequence viruses and bacteria, as well as biotoxins that cause life-threatening diseases in humans and animals and can be misused as biological warfare agents. Our main goal is to diagnose these pathogens and biotoxins rapidly and detect them beyond doubt. We develop methods to quickly identify the origin of a disease outbreak and reliably diagnose rare or novel pathogens.



Working in a high-containment laboratory

OUR RESEARCH: Our focus is on interdisciplinary and translational research. We combine modern molecular biology, biochemistry, and biotechnology with virology, microbiology, and medical research. We develop methods and techniques that can be used directly in reconnaissance and verification, bioforensics, and diagnostics, as well as methods for the treatment of highly infectious diseases or intoxications with biotoxins. We conduct studies to investigate the spread of naturally occurring pathogens in Germany and worldwide.



The institute has three divisions for the reconnaissance and verification of unusual disease outbreaks: Mobile Laboratory, Central Diagnostics Unit, and Genomics & Bioinformatics. Both Central Diagnostics and Genomics & Bioinformatics are accredited in accordance with DIN EN ISO 15189. All of the institute's diagnostic services are also available to civil institutions in the healthcare sector. Additionally, the Institute operates the national reference laboratories for tick-borne encephalitis (TBE) and brucellosis.

