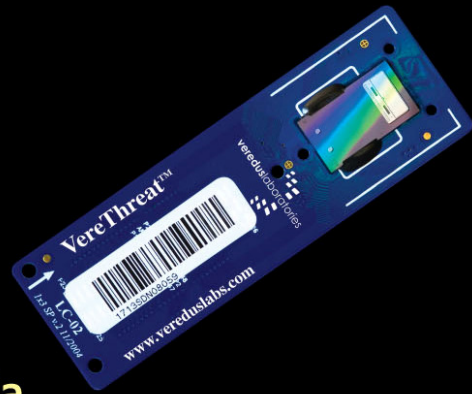


VereThreat™ Chip

- Anthrax
- Plague
- Small Pox
- Tularemia



The future of diagnostics and surveillance, today.™

VereThreat™ Chip

VereThreat™ chip consists of a silicon chip integrating an ultra-fast miniaturized reactor for PCR-based DNA amplification and a high-grade customised microarray for fast and accurate detection of targeted biological agents.

These two robust and time-tested technologies enable the development of VereThreat™ chip into a fast PCR-microarray based diagnostic test using the Lab-on-Chip platform to simultaneously detect, differentiate and identify selected biological agents.

VereThreat™ chip (used with the VereID™ platform)

Rapid molecular detection of four Category A biological agents: *B. anthracis*, *F. tularensis*, *Y. pestis* bacteria and *Variola* virus in a single sample.

- Portable and easy to use
- Multiple Diagnostic Tests per chip
- Precise
- Ultra Fast
- Customisable

Specifications

Lab-on-Chip	Silicon chip that integrates microfluidic handling of an ultra-fast miniaturized Polymerase Chain Reaction (PCR) reactor and a disease-specific customized microarray
Disease-Specific Targets	<i>B. anthracis</i> , <i>F. tularensis</i> , <i>Y. pestis</i> bacteria and <i>Variola</i> virus
Sample Type	Air, water, soil & food
Turn-Around-Time	Less than 3 hours from sample to answer
Shelf Life	1 Year