


# Anthrax:

*Bacillus anthracis*



In the blink of an eye,  
go from crisis to calm.

## Detect. Identify. Move on.

The Cepheid GeneXpert® System makes biothreat agent detection possible in minutes — all from unprepared samples. This easy-to-use, automated and highly accurate real-time PCR instrument combines the ingenuity of more than 30 patents into a sophisticated genetic tool for first responders. A patented, disposable, cartridge test for anthrax is available now, and can be performed on-site — delivering critical answers in critical situations.



## The GeneXpert® System

- Fully-integrated sample preparation with real-time PCR & detection
- Verified by extensive third-party evaluation to meet the need for highly accurate and easy-to-use, on-site detection

## *Bacillus anthracis* (Anthrax) test

- Rapid turnaround time – results in less than 45 minutes vs. two days in culture-based testing
- Can detect as few as 30 *Bacillus anthracis* spores in a United States Postal Service sample<sup>1</sup>
- Designed for mobility – the GeneXpert® System can be taken on-site for biothreat investigations
- Easy of use makes the test simple to run for non-scientific personnel

<sup>1</sup> Report of the IntraAgency Working Group of the Office of Science and Technology Policy, "Review of the United States Postal Service's Biohazard Detection System's Pilot Project" 2003

Practice of the patented polymerase chain reaction (PCR) process requires a license. The GeneXpert® System is an Authorized Thermal Cycler and may be used with PCR licenses available from Applied Biosystems. Its use with Authorized Reagents also provides a limited PCR license in accordance with the label rights accompanying such reagents. Purchase of this instrument does not convey any right to practice the 5' nuclease assay or any of the other real-time methods covered by patents owned or controlled by Roche or Applied Biosystems. Cepheid's GeneXpert® System is a licensed real-time thermal cycler under Applied's European Patent No. EP 0 872 562, Japanese Patent No. JP 3136129 and patents pending, for all fields including human in vitro diagnostics except for diagnosis and monitoring of HIV and HCV infections.

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Sample in. Answer out.™