PATHSENSORS

IDENTIFYING PATHOGENS
AT THE SPEED OF LIGHT

About PathSensors, Inc.

PathSensors is a leading biotechnology solutions and environmental testing company. PathSensors provides high speed, high sensitivity, pathogen and threat detection solutions.

PathSensors' solutions can detect a wide range of threats, including anthrax, ricin, Ebola and salmonella. PathSensor's technology supports a growing library of threat detection capabilities and can be expanded to meet emerging and specific threat detection requirements. Our team of scientists are working with top academic institutions and government research agencies on some of the most important challenges in bio-security.

Customers Applications

PathSensors' technology is being used today by government and commercial customers for multiple applications, including:

- Defense and homeland security - CBRNE
- Environmental monitoring
- Mail room screening
- Food safety
- Plant and agricultural safety and testing
- First responder threat detection
- Custom bio sensor development
- Public health
- Medical Counter Measures

MADE IN THE USA

The **PathSensor's Advantage**

COMPARED TO OTHER BIO-THREAT DETECTION TECHNOLOGIES, PATHSENSOR'S SOLUTIONS ARE:

FASTER: Our biosensors detect Pathogens in minutes and require minimal sample prep time.

MORE SENSITIVE: Our biosensors have ultra-low levels of detection.

EASIER TO USE: System operation and sample analysis does not require technical training.

PathSensors Biosensor Library*

BIO-THREAT AGENTS

Bacillus anthracis, spores
Francisella tularensis
Yersinia pestis
Orthopox virus
Ricin toxin
Botulinum toxin
Brucella spp.
Abrin toxin*

PLANT PATHOGENS

Citrus leprosis C
Phytophthora spp.
Ralstonia spp.
*Ralstonia R3b2 (select agent)**
*Potyvirus spp.**
*Citrus leprosis C2**
*Citrus leprosis N**
*Citrus greening (HLB)**
*Xylella fastidiosa**

HUMAN PATHOGENS

Dengue virus
Rift Valley Fever Virus
Methicillin – Resistant Staphylococcus aureus
Chlamydia spp.
Group B Strep
Venezuelan equine encephalitis virus
Zika virus*
Ebola virus*

FOOD PATHOGENS

Salmonella spp.
Listeria spp.
Listeria monocytogenes
E. coli O157:H7
Campylobacter spp.
Shigella dysenteriae
Vibrio cholerae (strains O139 and O1)

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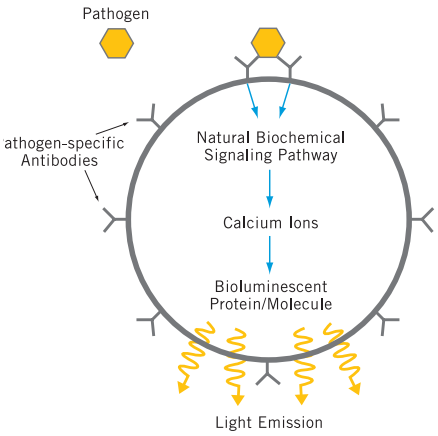
GloMax is a registered trademark of Promega.
*Not all biosensors are commercially available. Contact PathSensors for information on specific biosensors.

PathSensors Corporate Overview



CANARY® Technology Overview

CANARY® (Cellular Analysis and Notification of Antigen Risks and Yields) is a cell-based biosensor technology that delivers rapid detection of pathogens at high levels of sensitivity and specificity. CANARY® incorporates pathogen-specific antibodies expressed on the biosensor surface which, in the presence of a pathogen, trigger an intracellular calcium release that in turn activates bioluminescent proteins whose light output can be measured and analyzed.

PathSensors offers three platforms to deploy its solutions, each tailored to specific requirements.

CANARY®: Proven, Independently Tested

PathSensors' pathogen identification solutions use CANARY® technology licensed from the MIT-Lincoln Laboratory. In independent tests by U.S. government labs, PathSensors' CANARY® technology was shown to be superior to alternative technologies in terms of sensitivity and speed of detection.

Advantages of this system are its extreme speed and sensitivity. The speed of detection is a result of rapid intracellular signaling. The sensitivity is achieved through signal amplification within the cell. This leading edge technology identifies targets in 3 minutes with analytical sensitivities down to picograms of target per sample.

BioFlash

Ideal for mail room screening, environmental monitoring and critical infrastructure protection, BioFlash integrates aerosol sample collection with PathSensor CANARY® technology for near real-time pathogen identification.

Zephyr

Zephyr is an affordable, highly sensitive and easy-to-use solution for rapid identification of suspicious powders, as well as analysis of foods and plants for dangerous pathogens.

GloMax® 96-Well Plate Reader

Our high volume pathogen detection assays are designed and optimized with the Promega GloMax® Navigator System. This 96-well microplate reader provides industry-leading detection sensitivity for PathSensors' assay.

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