

Standoff Tissue-Based Biosensors

Disclosure Number

200000815

Technology Summary

The invention is a tissue-based biosensor designed to make remote assessments of possible contamination by chemical warfare agents. The subject invention overcomes the problem of remote rapid detection of chemical warfare agents under real-world field conditions. It may also have application for rapid detection of biological warfare agents. The class of sensors capable of remote detection is known as standoff sensors. The sensors may be launched into suspected danger zones. Combined with a cell modem and encrypted communications, it will be possible to send coded messages to field commanders, informing them of the safety of forward positions prior to movement of personnel.

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