

Agentase™ DISCLOSURE SPRAY

IDENTIFIES EXACT LOCATION OF
CHEMICAL AGENT

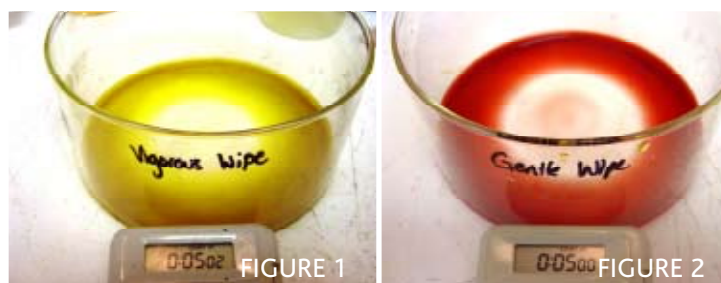
In response to requests from several users of the Agentase™ CAD-Kit, ICx Technologies has developed a spray-based formulation that changes color in the exact location of agents on surfaces.

The Agentase Disclosure Spray is used as a precursor to decontamination, which saves time by pinpointing the exact location of agents during decon. The spray is also well suited to decon assurance applications due to its high sensitivity to chemical warfare agents on surfaces.

DECON DEMONSTRATION

Use of the Agentase Disclosure Spray in conjunction with a commercially available sorbent was recently demonstrated (shown on right). Both plates were initially contaminated equally. The plate in Figure 1 was then vigorously treated with a decon sorbent product following the directions on the product packaging. Using the same sorbent, the plate in Figure 2 was intentionally decontaminated in an ineffective manner. Excess sorbent was then removed and both plates sprayed with the Agentase Disclosure Spray. The yellow color in Figure 1 indicates a properly cleaned surface. The poorly decontaminated surface in Figure 2 triggered the red coloring.

The Agentase Disclosure Spray is a two-component system in which the ingredients are combined in a simple handheld sprayer. Once applied to a surface, the spray rapidly changes color in the presence of nerve agents.



FEATURES

- Pinpoint exact location of agents on surfaces
- Highly sensitive - Ability to detect sub-microgram (trace) levels of agents
- Works on most surfaces
- Simple to use
- Rapid response (within 5 minutes)
- Focuses decontamination regimens
- Illustrates decontamination efficiency



NEW THREATS.
NEW THINKING.®

DEMONSTRATION AND TRAINING KIT

In addition, ICx Technologies has developed a Training Spray which is identical in operation to the Agentase Disclosure Spray, but uses a non-toxic simulant to trigger a response.

In the demonstration shown to the right, simulant was placed in the form of an "x" on the upper portion of the particle board paneling. Once the Training Spray was applied, the positive response to the simulant became visible within seconds.

Detection limits and interference test data are available upon request for personnel who are qualified to receive ITAR-controlled information.

FUNDING AND PROGRAM SUPPORT



Funding and program support for the development of the Agentase Disclosure Spray has been provided by the U.S. Defense Threat Reduction Agency's Technical Innovation Office and the Joint Science and Technology Office for Chemical and Biological Defense (JSTO-CBD) as well as the U.S. Army Research Office. Recent live agent work at third party facilities has demonstrated that the Agentase Disclosure Spray™ identifies the exact location of very low levels of nerve agents on surfaces (complete reports are available upon request by qualified individuals). ICx is also in the process of developing chemistries for the detection of blister agents and other low volatility toxic industrial chemicals (TICs).



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