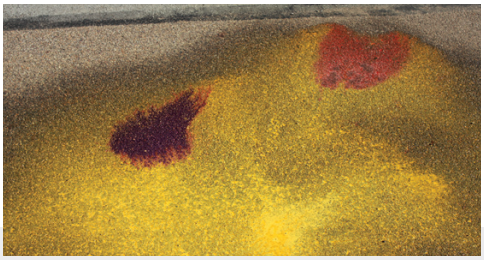
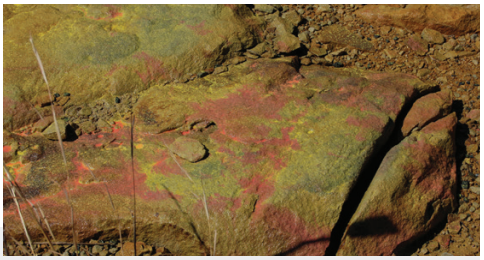
CHEMICAL AGENT DISCLOSURE SPRAY

FLIR Agentase™ C2

The FLIR Agentase C2 agent disclosure spray is the most sensitive point detector for chemical nerve agents (G- & V-series) and sulfur mustard (HD). It uses colorimetric technology to reveal the exact location of Chemical Warfare Agent (CWA) contamination on a surface at sub-microgram (trace) levels within five minutes. Once applied to a surface, the standard aqueous spray changes color from yellow to red to indicate the presence of a CWA threat. The color change reveals the exact location of the agent contamination, making the invisible threat visible. An optional fluorescent additive enhances the visual response when used with an ultraviolet (UV) light in poor lighting conditions. The forensic spray is translucent yet allows the threat to be seen under UV-light, a critical feature for covert operations. During the early stages of consequence management, Agentase C2 can be used to detect trace-level contamination before long-term exposure causes harm or loss of life. As part of the decontamination process, it reveals specific hot spots, enabling users to focus and reduce the amount of decontaminant used, lowering costs up to five-fold.

www.flir.com/agentaseC2





MOST SENSITIVE CHEMICAL POINT DETECTOR AVAILABLE

- Detects sub-microgram levels of chemical nerve agents (G- & V-series) and sulfur mustard (HD) within five minutes
- Reveals exact location of agent on surfaces using enzyme-based colorimetric technology
- Yellow color on a surface indicates the absence of chemical agents; red color on a surface indicates the presence of a CWA threat

COMPLEMENTS OTHER CHEMICAL SENSING TECHNOLOGIES

- Detects trace-level contamination, allowing for early deployment of counter measures and evacuation before long-term exposure causes harm or loss of life
- Complements electronic sensors by providing the ability to map chemical agent contamination for emergency response missions, as well as aid in the decontamination of personnel or equipment after exposure to CWAs
- Non-destructive spray allows for sample extraction and analysis via GC/MS during forensic investigations

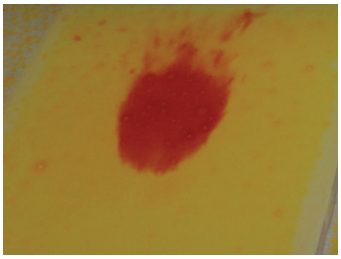
MULTI-PURPOSE AND EASY TO USE

- Two applicator sizes tailored to mission requirements
- Optional forensic spray is translucent to be seen with UV-light for covert missions
- Optional fluorescent additive enables it to be seen with UV-light in challenging light conditions
- Optional cold weather additive expands the mission into colder environments
- Training completed in less than one hour

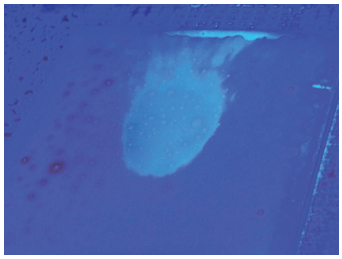
SPECIFICATIONS

General	Agentase C2
Technology	Enzymes
Sampling & Analysis	
Sample Introduction	Spray directly onto surface
Sample Phase	Surface-based detection
Threats	Enzyme formulations include: nerve agent (V- & G-series) and blister agent (HD); training disclosure spray also available
System Interface	
Sampling & Analysis	Detection within 5 mins
Display & Alerts	Colorimetric sensor response; Standard nerve agent and training spray is yellow when applied to a surface and surface changes to red within 5 mins if contaminated; blister agent spray is applied red and changes to yellow if clean but stays red if contaminated; forensic spray is translucent when applied and contamination is visible under UV-light
Fluorescent Additive	Enhances visual response of standard spray under challenging lighting conditions or surfaces when used with UV-light
Training Requirements	<1 hour; no special skills required
Cold Start Time	<3 mins
Environmental	
Operating Temp	Nerve agent and training formulation: 32 to 113 °F (0 to 45 °C); blister agent formulation: 23 to 113 °F (-5 to 45 °C)
Cold Weather Additive	Lowers operating temp of nerve agent and training formulations to -4 °F (-20 °C)
Operating Humidity	0-100%
Operating Conditions	The response must be read under white light (standard) or UV-light (fluorescent additive and forensic version)
Surface Compatibility	Large variety of materials, won't degrade sensitive surfaces
Storage Temp	Store at room temp out of direct sunlight; product expiration is indicated by temp/time indicator on packaging
Water Source	Handheld applicator: water included; large-scale consumable: tap water ≤250 ppm calcium carbonate and treated for chlorine (chlorine treatment included)
Life Expectancy	12 hr operational pot-life once prepared; 8 hrs at 104 °F (40 °C); shelf-life 5 yrs when stored below 77 °F (25 °C)
Waste	Dispose in accordance with local policies for non-hazardous aqueous waste

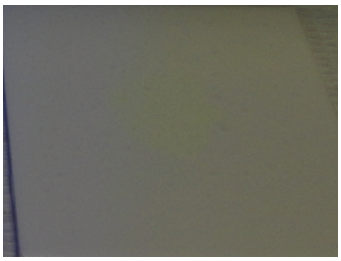
Physical Features	Handheld Applicator	Large-Scale Consumable Kit
Weight (Full)	Max 1.2 lbs (0.54 kg)	2.6 lbs (1.2 kg)
Spray Volume	0.5L	2 Gal
Surface Coverage	5-7m^2	75-120m^2, 2-3 HMMWVs
Setup Time	<5 minutes	<15 minutes



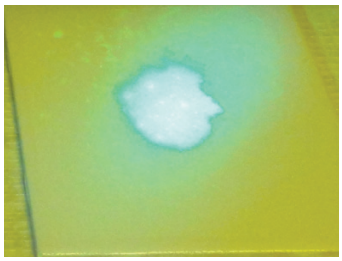
Standard Spray: yellow when applied, red contaminant indicator visible under ambient Light



Standard Spray with Fluorescent Additive: contaminant visible under UV-light



Forensic Spray: translucent when applied under ambient light, contaminant not visible



Forensic Spray: contaminant visible under UV-light

Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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