

Product Datasheet

Agentase™ C2

Reveals Chemical Agent Contamination

The FLIR Agentase C2 agent disclosure spray is the most sensitive point detector for chemical nerve agents (G- & V-series) and sulphur mustard (HD). It uses colourimetric technology to reveal the exact location of Chemical Warfare Agent (CWA) contamination on a surface at submicrogram (trace) levels within five minutes. Once applied to a surface, the standard aqueous spray changes colour from yellow to red to indicate the presence of a CWA threat. The colour 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.

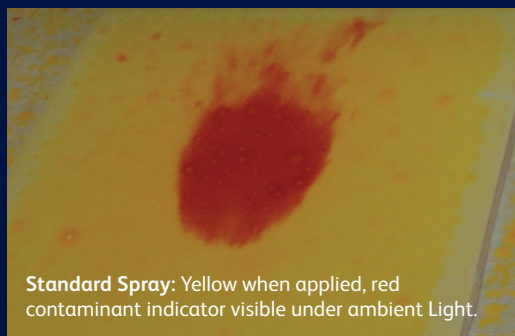
During the early stages of consequence management, Agentase C2 can be used to detect trace-level contamination before long-term exposure causes harm or loss of life. As part of the decontamination process, it reveals specific hot spots, enabling users to focus and reduce the amount of decontaminant used, lowering costs up to five-fold.

Custom Applications

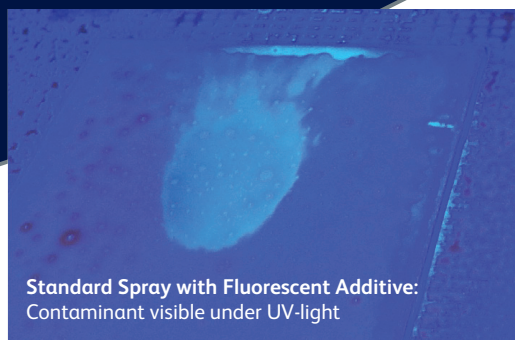
- First response confirmation.
- Sensor validation.
- Contamination mapping.
- Equipment decontamination assurance.
- Sensitive site assessment.
- Training exercises.

Features and Benefits

- Detects sub-microgram levels of agents within five minutes.
- Reveals exact location of agent on surfaces.
- Illustrates decon efficiency to reduce costs by up to 60%.
- Training completed in less than one hour.
- Offered in three applicator sizes based on mission requirements.
- Non-destructive allowing for sample extraction and analysis via GC/MS.



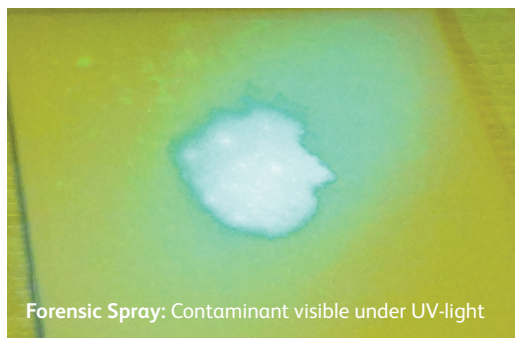
Standard Spray: Yellow when applied, red contaminant indicator visible under ambient Light.



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

General	
Technology	Enzymes
Sampling and 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 and Analysis	Detection within 5 mins
Display and Alerts	Colourimetric sensor response; standard and training spray – application is yellow and contaminated surfaces change to red within 5 mins; forensic spray – application is translucent 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 Temperature	Nerve agent and training formulation: 0 to 45 °C; blister agent formulation: -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, will not degrade sensitive surfaces
Storage Temperature	Store at room temp out of direct sunlight; product expiration is indicated by temp/ time indicator on packaging
Water Source	Handheld applicator: water included; backpack/cart applicator: 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 40 °C; shelf-life > 3 yrs when stored below 25 °C
Waste	Dispose in accordance with local policies for non-hazardous aqueous waste

Physical Features	Handheld Applicator	Backpack Applicator	Cart-Based Applicator
Weight (Full)	0.54 kg	19.05 kg	104.3kg
Power	N/A	Compressed air, 4000 psi SCBA or hand powered versions available	Compressed air, 4000 psi SCBA, 120 psi compressor, LMTV compatible
Spray Volume	0.5 L	8 L	50 L
Surface Coverage	5 - 7m ²	50 - 80 m ² , ~1 - 2 HMMWV	550 - 800 m ² , ~2 - 15 HM-MWV or four M1 tanks
Setup Time	<5 minutes	<10 minutes	<15 minutes
Application Time	30 seconds / m ²	<3 minutes / HMMWV	<3 minutes / HMMWV

Specifications are subject to change without notice.
For the most up-to-date specifications, please visit www.flir.com

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