

Product Datasheet

Agentase™ C1

Chemical Agent Detection Kit

The FLIR Agentase C1 is an award-winning chemical agent detection kit that uses enzymebased technology to rapidly detect class-specific agent contamination on a variety of surfaces. The kit contains six sensors that can be used to conduct surface, solid, and liquid interrogation of nerve (G- & V- series), blood (AC) and blister (HD) agents, acids, bases, aldehydes, and oxidisers.

Agentase C1 is a multi-purpose, colorimetric technology used in a number of military, law enforcement, and emergency response scenarios. Unlike other field detection equipment, the Agentase C1 kit has extremely low false positive and negative rates. Enzyme-based detection devices are highly specific and resist interferences.

The Agentase C1 enzyme-based sensors provide accurate results in field environments, have lower detection limits than expensive handheld electronic testing devices, and provide fast signals that are easy to interpret. The simplicity of this kit makes it user-friendly for the entire first responder community.



Custom Applications

- Identify areas requiring decontamination.
- Collect sample evidence for identification.
- Validate detection results from other sensors.
- Verify post-decontamination efficiency.

Features and Benefits

- Sensitive to levels below what can affect the human body.
- Extremely low false alarm rates due to unrivaled specificity.
- Training completed in less than five minutes.
- Detection results within five minutes.
- Provides validation of results from orthogonal sensors.
- Innovative sampler detects bulk liquids and solids.
- Optional sample extraction kit for subsequent GC/MS confirmation.

Configurable Kit Contents

The Agentase C1 kit is provided in a small carry pouch weighing less than one pound. Each standard kit contains six sensors for nerve (G- & V- series), blood (AC) and blister (HD) agents, acids, bases, aldehydes, and oxidisers. The type of sensors included in the kit can be custom-configured to meet mission requirements. An optional hospital readiness kit contains three prepackaged modules that facilitate first response measures, decontamination assurance, and training.



Training Products

FLIR provides training tools suitable for classroom, hospital, field disaster drills, and decontamination verification. The kits use a benign agent simulant and are configured specific to the training environment and number of participants.

Specifications

General

Technology Enzymes

Sampling and Analysis

Sample Introduction Direct surface interrogation

Sample Phase Solid and liquid

Threats Nerve, blood, and blister agents, acid/base, aldehydes, oxidisers

Sensitivity <100 particles/L of air

Sampling and Analysis Sampling and analysis in <5 mins

System Interface

Display and Alerts Colourimetric sensor response; tip of sensor changes color to indicate absence or presence of threat

Training Requirements <5 mins; no special skills required

Cold Start Time <1 minute

Environmental

Operating Temperature (Ambient) 0 to 45°C (32 to 113°F)

Operating Humidity 0 - 100%

Storage Temperature Store at room temp out of direct sunlight; product expiration is indicated by temp/time indicator on packaging

Physical Features

Dimensions (L x W x H) 22.9 x 12.7 x 5.1 cm

Weight <0.5 kg

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

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