



smiths detection

bringing technology to life

# Finding the Hidden Dangers of Illicit Fentanyl

# What is Fentanyl?

Fentanyl is a powerful synthetic opioid. It has been in production since the 1960s and is used medically to manage acute and chronic pain. Over the past few years the illicit use of fentanyl has grown into an epidemic.



**100<sup>x</sup>**

**More lethal than Morphine**

**50<sup>x</sup>**

**More lethal than Heroin**

**20<sup>+</sup>**

**Over twenty chemical analogues**



## Where is Fentanyl Found?

The illicit fentanyl epidemic is growing at an alarming rate. This cheap opioid is often cut with heroin, cocaine and other street drugs, causing emergency responders and security personnel to be at an increased risk of exposure.

Fentanyl is now being found at correctional facilities, mail rooms, border crossings, overdose calls, and encountered at checkpoints and crime scenes by security personnel, law enforcement officers and emergency personnel.

## Are You At Risk of Exposure?

One of the keys to reducing the risks of dangerous fentanyl exposure is to know exactly what you're dealing with when a threat is suspected. Smiths Detection miniaturizes laboratory technology for use outside, in buildings or in emergency scenarios. This enables accurate and fast assessment of threats, at the place of concern, to allow personnel to make informed decisions to keep people safe.

With Ion Mobility Spectrometry (IMS), Fourier Transform Infrared (FTIR) spectroscopy, and Raman technologies the detection and identification time has been reduced to under a minute.

By simply evaluating a sample of a suspicious substance, personnel will know almost immediately the risk they are faced with, helping to reduce time and costs associated with exposure.





## IONSCAN 600

The IONSCAN 600 detects trace levels of unseen fentanyl, other narcotics or explosives. Its sampling method enables surfaces, such as door handles, steering wheels, mail and hands, to be screened for potential threats.

It is a portable desktop system using Ion Mobility Spectrometry (IMS) which is the same technology used at airport checkpoints around the world.

- + Highly sensitive, lightweight, portable desktop system
- + Can detect 7 fentanyl analogues in 15 seconds
- + Works with cost-effective, single-use swabs suitable for both manual and wand sampling

## Target-ID

Target-ID is a Fourier Transform Infrared (FTIR) spectroscopy analyzer specifically designed to identify narcotics.

It has an expandable library of up to 2,500 narcotics, precursors, cutting agents and common chemicals.

- + Lightweight and durable design makes it ideal for a variety of scenarios, including traffic stops or at temporary checkpoints
- + Identifies 19 analogues of fentanyl within 45 seconds
- + Results can be used as court admissible evidence



## HazMatID Elite

HazMatID Elite is used to detect over 10,000 different powders, gels and liquids. It utilizes FTIR to perform chemical analysis on visible amounts of suspicious substances, and is intended for use in a hot-zone.

HazMatID Elite has been ruggedized for use in extreme conditions and is easily decontaminated with bleach.

- + Identifies 19 analogues of fentanyl within 45 seconds
- + Quick, easy and simple to use with protective gear
- + Up to 4 hours of operation on single battery charge

## ACE-ID

ACE-ID offers the ability to detect over 500 substances, including fentanyl, without having to disturb them. By using point and shoot sampling, ACE-ID uses laser Raman technology to test unknown substances without contact, including through plastic and glass.

- + Lightweight and portable, making it perfect for use in a variety of hard-to-access places
- + Provides results within 20 seconds
- + Identifies fentanyl analogues



## Contact Us

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### MAKING THE WORLD A SAFER PLACE

Smiths Detection, part of Smiths Group, is a global leader in threat detection and screening technologies for military, air transportation, homeland security and emergency response markets.

Our experience and history across more than 40 years at the front line, enables us to provide unrivalled levels of expertise to detect and identify constantly changing

chemical, radiological, nuclear and explosive threats, as well as weapons, dangerous goods, contraband and narcotics.

Our goal is simple - to provide security, peace of mind and freedom of movement upon which the world depends.

For more information visit [www.smithsdetection.com](http://www.smithsdetection.com).