

M39 Methamphetamine Wipe

Instructional Training Course

Instant Colorimetric Detection Technology

Lesson Summary

The M39 Methamphetamine Wipe Instructional Course aims to equip participants with the necessary knowledge and skills to effectively use methamphetamine wipes for surface testing.

Key Points from the Course



Understanding the dangers of methamphetamines



What Personal Protective Equipment (PPE) should be used



Basic science behind Trace Eye-D detection wipes



Proper procedures for M39 Meth Wipe usage
#OWLMMethod



What can the M39 Meth Wipe detect



Interpreting M39 Meth wipe test results accurately



Substance forms the M39 Meth Wipe can test



Post-test guidelines for storing and disposing of meth wipes

What is Methamphetamine?

A powerful **stimulant drug** that can cause feelings of euphoria and high energy, available as pill or powder. Available in prescription as Desoxyn® to treat obesity and ADHD.

Forms of Methamphetamine

Powder / Pill Form

Comes as a pill or powder. Domestic production mainly uses diverted products containing pseudoephedrine.

Crystal Meth

Resembles glass fragments. An illegally altered version of the prescription drug cooked with over-the-counter drugs in meth labs.

Methamphetamine Street Names

Batu, Bikers Coffee, Black Beauties, Chalk, Chicken Feed, Crank, Crystal, Glass, Go-Fast, Hiropon, Ice, Meth, Methlies Quick, Poor Man's Cocaine, Shabu, Shards, Speed, Stove Top, Tina, Trash, Tweak, Uppers, Ventana, Vidrio, Yaba, Yellow Barn

Meth Facts & Health Effects

Key Facts

- Purity levels of trafficked meth in the US have substantially increased
- Domestic meth mainly made with diverted pseudoephedrine products
- Mexican meth uses different precursor chemicals
- Combat Meth Epidemic Act of 2005 placed pseudoephedrine products behind counters
- Meth overdose deaths rose from 2022 to 2023 while other drug deaths decreased

Fentanyl is commonly mixed with meth and linked to overdose



Overdose Effects

High doses may result in death from stroke, heart attack, or multiple organ problems caused by overheating.



How Meth Affects the Body

- Rapid weight loss, higher libido
- Intense alertness and concentration
- Agitation, increased heart rate and blood pressure
- Anxiety, paranoia, insomnia
- Violent behavior, confusion
- Convulsions, cardiovascular collapse, stroke
- Psychotic symptoms persisting months or years after stopping



How is Meth Consumed?

Snorted / Sniffed

Smoked

Ingested Orally

Injection

Dangers of Methamphetamine

Drug overdose deaths involving psychostimulants (primarily methamphetamine) have increased steadily since 2014, regardless of opioid involvement. About 2 million people aged 12+ use meth in any given year, while about 500 people try meth for the first time each day.

5,716

Deaths in 2015

Psychostimulant overdose deaths

34,022

Deaths in 2022

Nearly 6x increase from 2015

57,497

Stimulant Deaths 2022

Including cocaine and
psychostimulants



Since 2010, overdoses involving both stimulants and fentanyl have increased 50-fold, now accounting for 32% of U.S. overdoses and nearly 35,000 deaths in 2021.

Source: CDC WONDER, Multiple Cause of Death 1999-2022

Health Effects & Fentanyl

Short-Term Effects

- Increased blood pressure and body temperature
- Faster breathing, rapid or irregular heartbeat
- Loss of appetite, disturbed sleep, nausea
- Erratic, aggressive, or violent behavior
- Death

Long-Term Health Risks

- Permanent heart and brain damage
- High blood pressure leading to heart attacks, strokes
- Liver, kidney, and lung damage
- Anxiety, confusion, insomnia, paranoia
- Psychotic symptoms (months or years after use)
- Skin sores from intense itching
- Severe dental problems, malnutrition
- Premature osteoporosis

Stimulants + Fentanyl

Since 2010, overdoses involving both stimulants and fentanyl have increased 50-fold, accounting for 32% of U.S. overdoses in 2021 and nearly 35,000 deaths.

Speedballing: What is it?

Chronic opioid users often turn to stimulants to offset tiredness caused by drugs like heroin or fentanyl. This produces an intense high that can be extremely dangerous.

Narcotic Detection Science

How It Works

The M39 detection wipe contains specific chemicals that react with methamphetamine to produce a color change. This reaction is based on chemical analysis principles, where the target substance interacts with reagents on the wipe to create a detectable signal.

Color-Changing Technology: When M39 comes in contact with methamphetamines, MDMA, bath salts, or others, it turns **blue / purplish-blue** to indicate meth or its analogues are present. Positive result color will match the packaging color.

What Can M39 Detect?

Methamphetamines

MDMA / Ecstasy

Bath Salts | PCP

Testable Forms

Powders | Pills | Liquids |

Residues | Trace | Bulk



M39 Meth Detection Wipe | 10 Pretreated Wipes | Made in the USA

PPE + Wipe Storage

When handling meth wipes, prioritize your safety with appropriate PPE. The wipe itself is not dangerous or toxic, but the potential presence of methamphetamine, MDMA/ecstasy, bath salts, or PCP must be addressed. Meth is often mixed with chemicals, opioids, or other drugs posing serious health risks through inhalation, absorption, or ingestion.

Essential PPE for Methamphetamine Detection



Nitrile Gloves

Recommended over latex gloves as they provide better protection against chemicals like methamphetamines. Any glove is better than no glove if meth may be present.



Safety Goggles

Eye protection is necessary to prevent eye irritation or injury from accidental splashes.



N95 Mask or Equivalent

Masking is necessary to protect against potentially airborne chemicals like methamphetamine.

**While our M39 methamphetamine detection wipe is safe to use on skin, the risk of exposure to meth for the operator can be avoided by wearing proper PPE.*



Wipe Storage: Store in cool, dry conditions.

How to Use | #OWLMethod

Activation: Fold bottom portion of pouch in half. Squeeze folded portion until you hear a "pop" sound. Work the fluid from upper chamber to lower chamber.

1

OPEN

Open the pouch and remove the wipe.

Do not unfold towelette before or after use. Doing so will result in difficulty observing the results.

2

WIPE

Wipe it across the surface to be tested.

For best results, sample very small amounts of the substance on the margin of the wipe.

3

LOOK

Look to see if the formula on the wipe changes color.

Results may be instant, however allow up to 30 seconds for a color reaction to develop.

Note: The Trace Eye-D kit is intended for presumptive identification purposes only. All substances tested should be subjected to definitive examination in a properly equipped crime laboratory. **Watch demo video:** youtu.be/FPQVRjRk9MU

How to Read Results

NEGATIVE Result // No color change

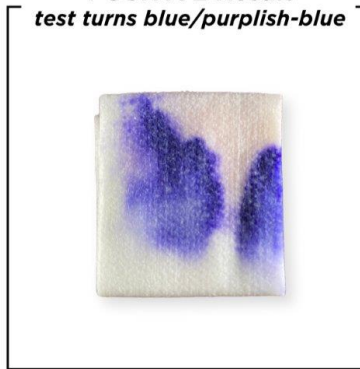
POSITIVE Result // Blue / purplish-blue

**Positive result color will match the packaging color*

NEGATIVE Result
no color change



POSITIVE Result
test turns blue/purplish-blue



trace-eye-d.com // 1.866.TRACE91

Presumptive Identification Only: Presumptive identification is generally recognized within our legal system as a component of probable cause. No drug identification system on the market eliminates false positives and false negatives. All substances tested should be subjected to more definitive examination by scientists in a properly equipped crime laboratory.

Post-Test Procedures

All Trace Eye-D products are **safe for disposal in the common waste stream without neutralization** or other special treatment, provided the wipe is not contaminated with drug or explosive residue.



PHOTOGRAPH + STORE

Photograph the wipe with a date/time stamp, if required for evidence retention, as the color of the wipe may change over time.



DISPOSE

Dispose of wipe in accordance with federal, state, and local environmental laws.



WASH HANDS + CHANGE

Wash hands and change your gloves before conducting additional tests after a positive result is found.