

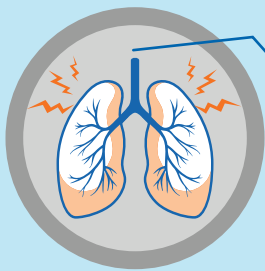
Xylazine

Top 3 Facts to Know About Xylazine:

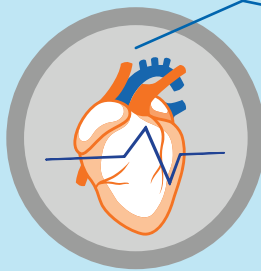


1. First produced in 1962
2. Only approved for veterinary medicine
3. Nearly 9,000 cases of misuse in 2021

Human Side Effects:



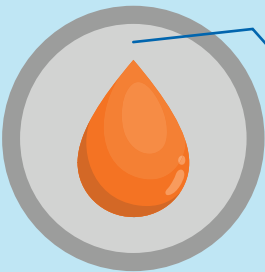
CNS & Respiratory Depression



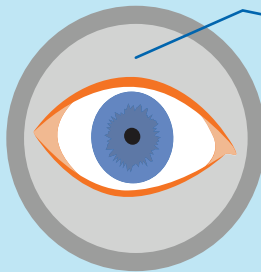
Hypotension



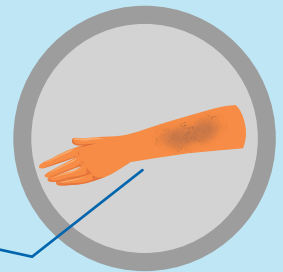
Hypothermia



High Blood Glucose Levels



Miosis



Necrotic Skin Ulcerations



Learn more about xylazine by scanning the QR Code.



Need to Know More About Xylazine?

Xylazine is a sedative that causes analgesic and muscle-relaxing properties and is approved exclusively for veterinary medicine. Xylazine was first produced in 1962 by the Bayer company¹. It has been studied for human use, but clinical trials had to be terminated due to severe adverse side effects, including central nervous system (CNS) depression¹. Xylazine is not approved for human consumption, but it has been found as an adulterant being added to drugs, and it has been used in drug-facilitated crimes to induce sleep. According to the DEA, there were 149 reported cases from federal and state laboratories involving xylazine in 2015, but that number jumped to 8,938 in 2021¹.

Some individuals exposed to xylazine may not be aware of its presence. Xylazine has been found as an adulterant in white powder drugs. Primarily, xylazine has been detected in heroin and fentanyl supply, though it has also been discovered in some stimulant supplies such as methamphetamine and cocaine². Other users may seek out and use xylazine as a mixture with heroin and cocaine, to mitigate some of xylazine's harmful effects. Xylazine-containing products can be marketed on the street as tranq, sleep-cut, Philly-dope, or

zombie drug. Adverse side effects of xylazine include CNS and respiratory depression, hypotension, hypothermia, high blood glucose levels, miosis, hypotension, and necrotic skin ulcerations that can lead to amputation if not treated. Additionally, because xylazine is not an opioid, naloxone is ineffective in the event of an overdose. The FDA has issued many safety alert warnings since November 2022 about the severe risks associated with the drug³.

Xylazine is not currently scheduled, though legislation was proposed in March 2023 to make xylazine a Schedule III Substance⁴. Congress considered scheduling the substance prior to this legislation, but scheduling the drug would significantly impede the veterinary use of the medication⁵. Currently, the FDA is working to more strictly regulate the importation of xylazine and verify the legitimate veterinary supply⁶.

As an innovative leader offering alcohol and other drug testing, we understand the importance of being able to test for drugs of concern when it is most feasible for your organization. We offer xylazine testing, as well as testing for many other drugs of concern. Learn more at www.USDTL.com.

Reference

1. https://www.deadiversion.usdoj.gov/drug_chem_info/Xylazine.pdf
2. <https://www.fda.gov/media/162981/download>
3. [https://www.empr.com/home/news/safety-alerts-and-recalls/fda-restricts-unlawful-import-of-xylazine-containing-](https://www.empr.com/home/news/safety-alerts-and-recalls/fda-restricts-unlawful-import-of-xylazine-containing-products/#:~:text=In%20November%202022%2C%20the%20FDA,and%20high%20blood%20glucose%20levels.)

[products/#:~:text=In%20November%202022%2C%20the%20FDA,and%20high%20blood%20glucose%20levels.](https://www.empr.com/home/news/safety-alerts-and-recalls/fda-restricts-unlawful-import-of-xylazine-containing-products/#:~:text=In%20November%202022%2C%20the%20FDA,and%20high%20blood%20glucose%20levels.)

4. <https://abc7chicago.com/xylazine-effects-in-humans-congress-controlled-substance/13043734/>
5. <https://www.avma.org/blog/congressional-offices-consider-making-xylazine-controlled-substance>
6. <https://www.fda.gov/news-events/press-announcements/fda-takes-action-restrict-unlawful-import-xylazine>

Xylazine ToxTime

A free presentation about the challenges that xylazine poses as well as a brief look at other adulterants found in the illicit drug supply.

Sign-up to receive invitations to our online events.



Contact Us

We understand substance use toxicology is complex. If you can't find what you are looking for, you can contact us.

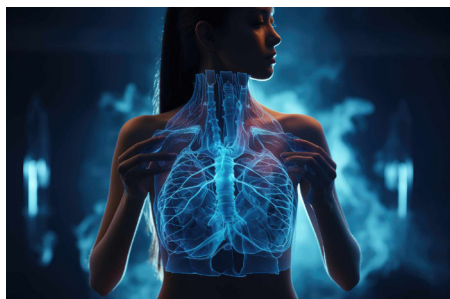
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Alcohol & Other Drug Testing Services Catalog

With so many specimen types and panels to choose from, our catalog includes specifics on the testing we offer.

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