

Fentanyl Testing*

7,255 Samples
Collected and LC/MS Confirmed

597 Samples
were confirmed as positive by either fentanyl or norfentanyl using an LoQ of 1 ng/mL for both analytes

532 Samples = 89.1%
were confirmed positive with a 1 ng/mL fentanyl cutoff ($532 \div 597 = 89.1\%$ of the samples).

559 Samples = 93.6%
were confirmed positive with a 5 ng/mL norfentanyl cutoff ($559 \div 597 = 93.6\%$ of the samples).

- Of the 597 samples, 65 samples did not have a detectable fentanyl concentration, but 54 of those samples would have been detected as positive using a 5 ng/mL norfentanyl cutoff concentration.
- Results from the data indicate that the use of a 5 ng/mL norfentanyl cutoff is more sensitive than a 1 ng/mL fentanyl cutoff.

For more info on toxicology testing, visit our subsidiary MedTest Dx at www.medtestdx.com

Product Number	Product Type	Description
60-FN0620-100	Reagent	R1: 100 mL, R2: 37.5 mL
60-FN0620-1L	Reagent	R1: 1000 mL, R2: 375 mL
60-UN0002-5	Negative Calibrator	1 x 5 mL
60-NF0626-5	Cutoff Calibrator	1 x 5 mL
60-NF0634-5	Level 1 Control	1 x 5 mL
60-NF0636-5	Level 2 Control	1 x 5 mL

Applications available for a wide range of analyzers

*Data collected from Virginia Commonwealth University Health System (VCU Health) has collected a data set specifically from pain management compliance patients over the last three years (November 1, 2015 – October 31, 2018).

1. Niles JK;Gudin J;Radcliff J;Kaufman. "The Opioid Epidemic Within the COVID-19 Pandemic: Drug Testing in 2020." Population Health Management, U.S. National Library of Medicine, 8 Oct. 2020, pubmed.ncbi.nlm.nih.gov/33031013/.
2. Reports, Staff. "Mental Health Trends Worrisome." The Republic, The Republic, 30 Oct. 2020, www.therepublic.com/2020/10/30/mental_health_trends_worrisome/.
3. Volkow, Dr. Nora. "Rising Stimulant Deaths Show That We Face More than Just an Opioid Crisis." National Institute on Drug Abuse, National Institute on Drug Abuse, 22 Jan. 2021, www.drugabuse.gov/about-nida/noras-blog/2020/11/rising-stimulant-deaths-show-we-face-more-than-just-opioid-crisis.
4. "HAN Archive - 00438." Centers for Disease Control and Prevention, Centers for Disease Control and Prevention, 27 Mar. 2020, emergency.cdc.gov/han/2020/han00438.asp.

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