

Toxicology

What is CBD? Cannabidiol (CBD) is a compound related to THC that is produced by the cannabis plant. CBD is commonly available in liquid form (CBD oil), in creams, and infused into drinks and food. CBD is different from THC because it is not intoxicating—it does not make people "high". However, because CBD is derived from the cannabis plant, it may contain variable amounts of THC.



Cannabis has two plant varieties



Variety 1 is known as Hemp. Hemp has a variety of uses. To qualify as Hemp, the THC concentration cannot exceed 0.3%(w/w) dry weight or 3 mg in 1 g of Hemp. Most CBD products come from Hemp.

Variety 2 is known as Marijuana. Marijuana contains THC. THC is the main component in Marijuana that produces the "high" or mind-altering effects. Marijuana contains much higher levels of THC than Hemp.

Is CBD Regulated? No, the FDA does not regulate CBD products. This means that the stated levels of CBD and THC in the product may not be reliable, and the product may contain other drugs such as synthetic cannabinoids which are dangerous.

Does CBD work? CBD is only approved for treatment of Childhood Epilepsy and in combination with THC for Multiple Sclerosis. Other claims about CBD have not been proven by clinical trials.

Is it possible to test Marijuana Positive if I only take CBD? YES, it is possible! If your CBD product contains enough THC and you take the product consistently over time, THC may build up enough to trigger a Positive drug screen. There is no lab test that can "prove" that you have used only CBD.

How can I minimize the risk if I decide to take CBD?

- Look for products that claim to have been independently tested for CBD and THC
- Look for products that have THC levels as low as possible
- Test yourself after taking your product for 2 – 4 weeks. Workplace drug tests screen Cannabinoids at 50 ng/mL, so use a test with a 20 ng/mL cutoff level to see if you have detectable THCA in your system. You can collect your urine at home or provide a specimen at one of our 5 Collections Sites: Holladay Park, Cornell, Tualatin, St. Helens and Bridgeview. To see if THC is detectable in your system request **THC 20 SCRN** test (\$27). This test is for THCA only (the main THC metabolite) and does NOT include a test for CBD.

**LLS Forensic Toxicology Client Services: 503-413-5295, Toll Free 1-800-950-5295 or
toxclientservices@lhs.org**