

# CLIENT BULLETIN

## September, 2015 *Urinary Cannabidiol (CBD) Quantitation*

**Cannabidiol (CBD)** test has been added to our test menu. The demand for "**medical marijuana**" is stronger than ever. Cannabidiol (CBD) and delta-9-tetrahydrocannabinol (THC) are the 2 most common *cannabinoids* (out of more than 70) present in marijuana. Recent evidence suggests that both are pharmacologically active and may provide medical benefits for the treatment of the following: Seizures, (particularly in the young), migraine headaches, insomnia, neurological disorders including multiple sclerosis, nausea, neurologic pain, stimulation of appetite, cancer pain, and glaucoma.

THC is a psychoactive component of marijuana. It is prized by many in higher concentrations and strength of action. Recent data indicates that 97% of marijuana available in public dispensaries is high in THC. Patients who use THC may become impaired or otherwise unable to work, drive, or operate machinery. CBD, on the other hand, is not psychoactive but is pharmacologically active. CBD is present in high concentration in some strains of medical marijuana (Hippies Disappointment, and, more commonly, Charlotte's Web). CBD is also available in capsules, oils, and edibles. These preparations contain very low concentrations of THC.

It becomes imperative, then, that the recommending physicians become aware of his/her patient's CBD use and compliance. Pacific Toxicology's new Urinary Cannabidiol (CBD) Test is designed to provide the physician with a reliable confirmation of the type of medical marijuana being used. In our studies, we have shown that users of recreational marijuana and medical marijuana lacking in CBD *DO NOT* test positive for CBD. Test results are normalized to creatinine to allow for continuance monitoring of patient samples over time.

### Specimen Requirements:

Fresh Urine sample collected in sterile plastic container.  
Optimal Amount - 10 mL urine  
Minimal Amount - 5.0 mL urine

### Stability:

Urine specimens should be stored at refrigerated temperatures for up to 30 days.

Test Code	Test Name	Method	Quantitation Level	Turnaround Time	Test Price
830459	CBD, Urine	GC/MS	2.0 ng/mL	1-3 Days	\$31

This test offering will address the needs of our physicians who recommend medical marijuana. Our technical staff is available for consultation at your convenience. You may also contact your sales representative for additional details.



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