Test Transition:
Drug Monitoring Profiles

Offering our clients state-of-the-art testing is part of CPL's ongoing commitment to excellence.

Opiate and prescription medication abuse constitutes a continuing public health crisis in the United States. According to recent estimates by the CDC, more than 90 Americans die each day from opiate overdose,[1] and current estimates place the total economic burden of prescription opiate medication misuse alone at $78.5 billion a year.[2] To monitor patient compliance with prescribed medications and to identify recent use of non-prescribed medications or illicit substances, Clinical Pathology Laboratories (CPL) in partnership with Sonic Reference Laboratory (SRL), *A Sonic Healthcare Company*, will begin to offer in-house Drug Monitoring Profiles designed for patients who have been prescribed pain management or other controlled substance prescription medications starting on July, 15 2019.

CPL and SRL's Drug Monitoring program includes testing for 30 different classes of drugs with screening performed by liquid chromatography-tandem mass spectrometry (LC-MS/MS) or immunometric techniques and with reflex or directly ordered confirmation performed by high-resolution LC-MS/MS. Individual classes range from one to many individual tests (see attached Drug Monitoring Attachment). In addition to individual classes, providers may choose profiles as appropriate to meet the needs of their patient compliance monitoring:

Profile Name	Screen Code	Screen/Reflex Code	Classes	Components
Drug Monitoring Profile 1	2465	2466	9 classes	Classic opiates, oxycodone, fentanyl, benzodiazepines, amphetamines, designer amphetamines, gabapentin/pregabalin, ethanol and typical illicits
Drug Monitoring Profile 2	2467	2468	15 classes	Profile 1 + meperidine, methadone, tapentadol, tramadol, naloxone/naltrexone/butorphanol, buprenorphine.
Drug Monitoring Profile 3	2469	2471	16 classes	Profile 2 + skeletal muscle relaxants.
Drug Monitoring Profile 4	2472	2473	23 classes	Profile 3 + barbiturates, cathinones (bath salts), dextromethorphan, D-type illicits (DMT, MEO- DMT), K-type illicits (Kava, Kratom), ketamine and synthetic cannabinoids.
Comprehensive Drug Monitoring Profile	2451	2452	26 classes	Profile 4 + anticonvulsants, antidepressants, antipsychotics.

Further notes about this service:

1. Natural cannabinoids, nicotine, and non-opioid analgesics (e.g. acetaminophen) can be ordered separately with any one of the panels above. These medications may be outside of the specifications of many monitoring programs.

2. Short acting sedatives (Zolpidem, Zaleplon, Zopiclone) can be ordered separately with any one the panels above. These are best assessed with use of a frozen specimen as they have decreased refrigerated stability.

3. For medication review in context of test results, please submit a list of prescribed medications. The Drug Monitoring Attachment can be used to document medications in addition to requesting specific Drug Monitoring Profiles or classes to be tested. See URL: **www.cpllabs.com/drugmonitoringreq**

4. All specimens are also subjected to validity testing to assess for adulteration. Please review report notes carefully.

5. An enhanced report is available summarizing the medication list, all positive results and salient negative results (inconsistent negative – if a medication list is provided) at the top of the report with the results a complete analysis in the body of the report. Where possible, the enhanced report will include historical results. This report can be provided under separate cover. Please review this with your CPL Account Representative.

REFERENCES
1. Rudd RA, Seth P, David F, Scholl L. Increases in Drug and Opioid-Involved Overdose Deaths — United States, 2010–2015. MMWR Morb Mortal WklyRep. 2016;65. doi:10.15585/mmwr.mm655051e1.
2. Florence CS, Zhou C, Luo F, Xu L. The Economic Burden of Prescription Opioid Overdose, Abuse, and Dependence in the United States, 2013. MedCare. 2016;54(10):901-906. doi:10.1097/MLR.0000000000000625.

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