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PATIENT REPORT

Patient Age/Sex: 32 years Female

Specimen Collected: 06-Sep-22 14:35

Kratom, Umbilical Cord, Qual |Received: 06-Sep-22 14:35 Report/Verified: 06-Sep-22 14:37

Procedure	Result	Units	Reference Interval
Mitragynine,Cord,Qual	Present [i1]	ng/g	[Cutoff 0.08]
Speciociliatine,Cord,Qual	Present	ng/g	[Cutoff 0.08]

Test Information

i1: Mitragynine, Cord, Qual

INTERPRETIVE INFORMATION: Kratom, Umbilical Cord, Qual

Methodology: Qualitative Liquid Chromatography-Tandem Mass Spectrometry

This test is designed to detect and document exposure to alkaloids found in kratom, an herbal product derived from the Mitragyna speciosa tree or related plants, that occurred during approximately the last trimester of a full-term pregnancy. While mitragynine is considered the primary pharmacologically active alkaloid, speciociliatine is also widely detected in umbilical cord tissue. Regular use of or exposure to kratom can lead to dependency, and abstinence may contribute to signs and symptoms of drug withdrawal. Alternative testing is available to detect other drug exposures. The pattern and frequency of kratom used by the mother cannot be determined by this test. A negative result does not exclude the possibility that a mother used kratom during pregnancy. Detection of kratom alkaloids in umbilical cord tissue depends on extent of maternal use, as well as stability, unique characteristics of alkaloid deposition in umbilical cord tissue, and the performance of the analytical method. Detection of kratom alkaloids in umbilical cord tissue does not insinuate impairment and may not affect outcomes for the infant. Interpretive questions should be directed to the laboratory.

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the U.S. Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.

*=Abnormal, #=Corrected, C=Critical, f=Result Footnote, H-High, i-Test Information, L-Low, t-Interpretive Text, @=Performing lab