

Cotinine, Urine Screen with Reflex – New Test

Orderable: COTININE, URINE WITH REFLEX [LAB1233788]

Effective Tuesday, October 1st, 2024, the Cotinine Urine Screen and Reflex Test, which includes cotinine screening with reflex to confirmatory testing for cotinine positive samples, will be available.

Background:

The current VCUH cotinine immunoassay screening test detects both cotinine and the 3-OH-cotinine metabolite. However, false positive results may be obtained for the cotinine immunoassay screen due to cross reactivity with other compounds. Therefore, all positive cotinine immunoassay results for the test “**Cotinine Urine Screen and Reflex**” will be sent to a referral laboratory for confirmation by liquid chromatography mass spectrometry (LCMS). The cotinine screen will still be orderable as a stand-alone test “**Cotinine, Urine, Quant**”.

The in-house screening test result and the send-out confirmation test result of the Cotinine Urine Screen and Reflex test are both quantitative and the values may be slightly different (up to 10%). The screening test measures both the parent compound (cotinine) and the 3-OH cotinine metabolite together and will produce one result. The LCMS confirmation test reports the two compounds separately but the sum of the two compounds should be approximately equivalent to the value reported by the screen except in cases of false-positive screening results.

For questions, please contact Pathology Client Services at (804) 828-7284 or Dr. [Grace Williams](#) at (804) 628-3684.