

Cotinine in Serum- The cotinine assay is a competitive EIA for the qualitative and the semiquantitative determination of cotinine in serum, urine, and saliva. The test relies on the competition between free cotinine in the sample and cotinine bound to enzyme, for antibody fixed on a polystyrene plate. After excess enzyme is washed away and substrate added, the amount of free cotinine present is inversely proportional to the amount of free cotinine in the biological sample.

1. Jarvis MJ, Russell MAH, Benowitz NL, Feyerabend C. Elimination of cotinine from body fluids: implications for noninvasive measurement of tobacco smoke exposure. *Am J Public Health* 1988;78:696-8.

-from *Laboratory Procedures Used for the Third National Health and Nutrition Examination Survey (NHANES III) 1988-1994*
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