

## CHEMILUMINESCENCE IMMUNOASSAY OF THYROID HORMONE IN HUMAN SERUM BY USING MINIVIDAS - A HORMONAL ANALYZER SYSTEM

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### ABSTRACT

The biomerieux minividas chemiluminescence immunoassay is a prompt and unbeatable method for determination of TSH, TT3 and TT4 in human serum sample. The hormonal tests are crucial for the reliable diagnosis and monitoring of thyroid dysfunction. The use of thyroid function test covers the elevation of TSH, TT3 and TT4 in the serum sample. TSH is widely used as a screening test in suspicion with thyroid disorders, many times TSH alone may be fallacious, in this situation TSH along with T3 and T4 should be performed which will rectify the problems. For most of the patients symptoms are non specific, so biochemical immunoassay is compulsory to recognize the thyroid disorders. The regular uses of these tests are considered based on the medical record and clinical implementation.

**Keywords:** Thyroid function test, TSH, T3, T4, Chemiluminescence and Immunoassay.