

Serum thyroid hormones

Serum thyroid hormones

Serum thyroid-stimulating hormone (TSH) levels can be measured accurately down to very low serum concentrations with an immunochemiluminometric assay. Interpretation of deranged TSH levels depends on knowledge of the T₄ and T₃ values. In the euthyroid state, T₄, T₃ and TSH levels will all be within the normal range. Primary thyroid failure results in depressed T₄ and T₃ levels, with gross elevation of TSH. Incipient or developing thyroid failure is characterised by low normal values of T₄ and T₃ and elevation of TSH. In secondary toxic states, the TSH level is suppressed (Table 55.1). Serum thyroid hormones

Serum thyroid-stimulating hormone (TSH) levels can be measured accurately down to very low serum concentrations with an immunochemiluminometric assay. Interpretation of deranged TSH levels depends on knowledge of the T₄ and T₃ values. In the euthyroid state, T₄, T₃ and TSH levels will all be within the normal range. Primary thyroid failure results in depressed T₄ and T₃ levels, with gross elevation of TSH. Incipient or developing thyroid failure is characterised by low normal values of T₄ and T₃ and elevation of TSH. In secondary toxic states, the TSH level is suppressed (Table 55.1).

Revision #1

Created 2025-12-31 15:20:53 UTC by Omar Ayman

Updated 2025-12-31 15:20:53 UTC by Omar Ayman