

— Metabolic & Endocrine Health

The endocrine system is the collection of glands, each of which secretes different types of hormones that regulate metabolism, growth and development, tissue function, sexual function, reproduction, ... [See more](#)

Thyroid

The thyroid is one of the endocrine glands, which make hormones. Thyroid hormones control the rate of many activities in your body. These include how fast you burn calories and how fast your heart beats. ... [See more](#)

— TSI
(% baseline)

<89

Range: <140

TSI
(% baseline)



Result Comments

Thyroid stimulating immunoglobulins (TSI) can engage the TSH receptors resulting in hyperthyroidism in Graves' disease patients. TSI levels can be useful in monitoring the clinical outcome of Graves' disease as well as assessing the potential for hyperthyroidism from maternal-fetal transfer. TSI results greater than or equal to (\geq) 140% of the Reference Control are considered positive.

NOTE: A serum TSH level greater than 350 micro-International Units/mL can interfere with the TSI bioassay and potentially give false positive results.

Patients who are pregnant and are suspected of having hyperthyroidism should have both TSI and human Chorionic Gonadotropin (hCG) tests measured. A serum hCG level greater than 40,625 mIU/mL can interfere with the TSI bioassay and may give false negative results. In these patients it is recommended that a second TSI be obtained when the hCG concentration falls below 40,625 mIU/mL (usually after approximately 20-weeks gestation).

The analytical performance characteristics of this assay have been determined by Quest Diagnostics Nichols Institute San Juan Capistrano. The modifications have not been cleared or approved by the FDA. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.