INDICATIONS FOR TESTING
Thyroid cancer treated with total thyroidectomy and radioactive iodine ablation

ORDER
Thyroglobulin, Serum or Plasma with Reflex to LC-MS/MS or CIA
AND
Thyroglobulin Antibody

Abbreviations
Tg  Thyroglobulin
TgAb  Thyroglobulin antibody
TSH  Thyroid-stimulating hormone

TSH-stimulated serum Tg <1 ng/mL in the absence of TgAb

Excellent response (no structural or functional disease)
Reduce frequency and intensity of follow-up

Suppressed Tg ≥1 ng/mL or stimulated Tg ≥10 ng/mL or increasing TgAb

Biochemical incomplete response (no structural disease)

Tg stable, increased, or decreased; TgAb may or may not be present

CONSIDER
Additional investigation OR Intervention

Tg stable or decreasing
Continue to observe

Tg or TgAb increasing
Additional investigation
CONSIDER Intervention

Nonstimulated Tg detectable but <1 ng/mL OR Stimulated Tg detectable but <10 ng/mL; TgAb stable or decreasing

Indeterminate response
Continue to observe and monitor with Tg testing

"Evidence of disease observed on imaging.

Reference