

Canine Thyroid Test Interpretation:

Total T4:

<1.11 µg/dL – Consistent with hypothyroidism or non-thyroidal illness, recommend free T4 and TSH to confirm.

≥1.11 µg/dL – Not consistent with hypothyroidism

>4.03 µg/dL – Elevations in thyroid hormone can indicate normal variation, thyroid supplementation, auto-antibody production, or excessive production. Consider further testing if persistent.

Free T4:

<8.0 pmol/L – Consistent with hypothyroidism or non-thyroidal illness, recommend TSH +/- total T4 to confirm.

≥8.0 pmol/L – Not consistent with hypothyroidism

>38.1 pmol/L – Elevations in thyroid hormone can indicate normal variation, thyroid supplementation, auto-antibody production, or excessive production. Consider further testing if persistent.

TSH:

≥0.51 ng/mL - Consistent with hypothyroidism. Recommend total T4 and free T4 to confirm.

Feline Thyroid Test Interpretation:

Total T4:

<0.90 µg/dL – Consistent with hypothyroidism or non-thyroidal illness

>3.82 µg/dL – Consistent with hyperthyroidism

A total T4 result in the upper half of the normal reference range can indicate early/subclinical disease or hyperthyroidism with concurrent non-thyroidal illness. Consider TSH to confirm.

TSH:

<0.010 ng/mL – Consistent with hyperthyroidism.

>0.301 ng/mL – Consistent with hypothyroidism.

All tests should be evaluated in conjunction with clinical presentation.