



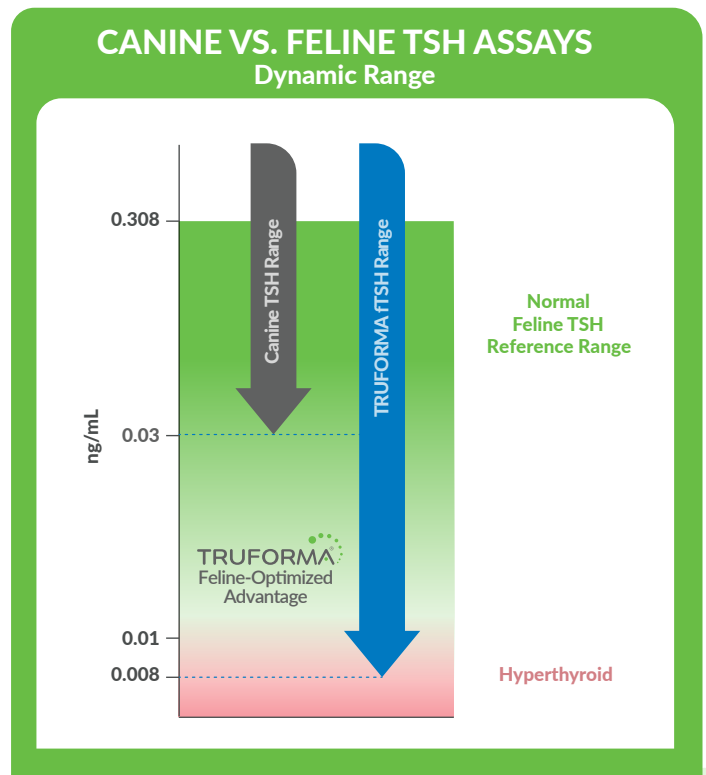
The Only Feline-Optimized TSH (fTSH) Assay to Help Diagnose Hyperthyroidism is Here

Only TRUFORMA® combines point-of-care convenience with a groundbreaking feline hyperthyroid assay.

The only assay on the market capable of detecting the low TSH concentrations that indicate feline hyperthyroidism, the TRUFORMA fTSH assay helps veterinarians separate euthyroid cats from hyperthyroid cats for a more accurate diagnosis.

The TRUFORMA Novel fTSH Assay Helps Veterinarians:

- SCREEN** Create a thyroid profile to track trends and identify 1-to-3-year subclinical hyperthyroid phase
- DIAGNOSE** Identify 10-40% of early to mild hyperthyroid cats that have normal T4 levels
- MONITOR** Test for development of Iatrogenic Hypothyroidism (IH)



The TRUFORMA In-Clinic Biosensor Testing Platform delivers an expanding array of assays to help veterinarians diagnose a range of challenging cases with confidence.

Ask us how you can receive a TRUFORMA device with no capital outlay through our Customer Appreciation Program.

For more information about the new TRUFORMA feline-optimized TSH Assay:



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Recommendations for Screening, Diagnosing, and Monitoring the Hyperthyroid Cat

Create an individual Thyroid Profile

- Healthy adult cats (5-8 years)¹
- Measure T4 and fTSH (feline-optimized TSH)
- Track trends to identify 1-3 year subclinical phase (majority of hyperthyroid cats)²



Euthyroid

N T4 + N fTSH

Diagnose earlier

- Utilize T4 *and* fTSH levels because 10-40% of early to mild hyperthyroid cats have normal T4 levels³ due to:
 - Early-stage disease
 - Non-Thyroidal Illness (NTI) which lower T4 levels
 - Palpable goiters and no symptoms
- Traditional follow-up options were limited to T4 recheck since canine-optimized TSH (cTSH) is unable to measure the naturally lower levels in cats. The new TRUFORMA[®] in-clinic fTSH can measure lower levels to help separate euthyroid from hyperthyroid.

Subclinical Hyperthyroid

N T4 + ↓ fTSH

Hyperthyroid

↑ T4 + ↓ fTSH

Subclinical Hypothyroid

N T4 + ↑ fTSH

Hypothyroid

↓ T4 + ↑ fTSH

Monitor for development of Iatrogenic Hypothyroidism (IH)

- Use T4 *and* TSH (in conjunction with BUN/Cr & +/-BP) in treated cats⁴
- TSH has higher sensitivity and is superior to T4 and fT4 in identifying IH and differentiating from CKD⁵
- NTI and age do not affect TSH in the majority of patients⁶
- When using TSH with T4, IH can be identified and corrected to protect the kidneys⁷

Advancing animal health and veterinarian success with best-in-class diagnostics and therapeutics.



References:

1. Prieto JM, et al. Short-term biological variation of serum thyroid hormones concentrations in clinically healthy cats. *Domest. Anim. Endocrinol.* April 2020;71:106389. doi: 10.1016/j.domaniend.2019.106389. Epub 2019 Sep 5. PMID: 31731251.
2. Jordan A, et al. Biological variation of total thyroxine (T4), free T4 and thyroid-stimulating hormone in 11 clinically healthy cats. *J Feline Med Surg.* 2021 Jun;23(6):592-597. doi: 10.1177/1098612X20969485. Epub 2020 Nov 11. PMID: 33174484.
3. Peterson M. More than just T₄; diagnostic testing for hyperthyroidism in cats. *J Feline Med Surg.* 2013 Sept;15(9):765-77. doi: 10.1177/1098612X13500426. PMID: 23966003.
4. AAFP. "The Guidelines for the Management of Feline Hyperthyroidism." *J Feline Med Surg.* 2016 May;18(5):400-16. doi: 10.1177/1098612X16643252. PMID: 27143042.
5. Peterson ME, Nichols R, Rishniw M. Serum thyroxine and thyroid-stimulating hormone in hyperthyroid cats that develop azotemia after radioiodine therapy. *J Small Anim Pract.* 2017 Sep;58(9):519-530. doi: 10.1111/jsap.12695. Epub 2017 Jun 29. PMID: 28661007.
6. Aldridge C, et al. Evaluation of thyroid-stimulating hormone, total thyroxine, and free thyroxine concentrations in hyperthyroid cats receiving methimazole treatment. *J Vet Intern Med.* 2015 May-Jun;29(3):862-8. doi: 10.1111/jvim.12575. Epub 2015 Apr 1. PMID: 25832129; PMCID: PMC4895416.
7. Williams TL, Elliott J, Syme HM. Effect on renal function of restoration of euthyroidism in hyperthyroid cats with iatrogenic hypothyroidism. *J Vet Intern Med.* 2014 Jul-Aug;28(4):1251-5. doi: 10.1111/jvim.12359. Epub 2014 Apr 28. PMID: 24773059; PMCID: PMC4857944.

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