

# Vcheck cTSH



## Hormone marker for canine hypothyroidism

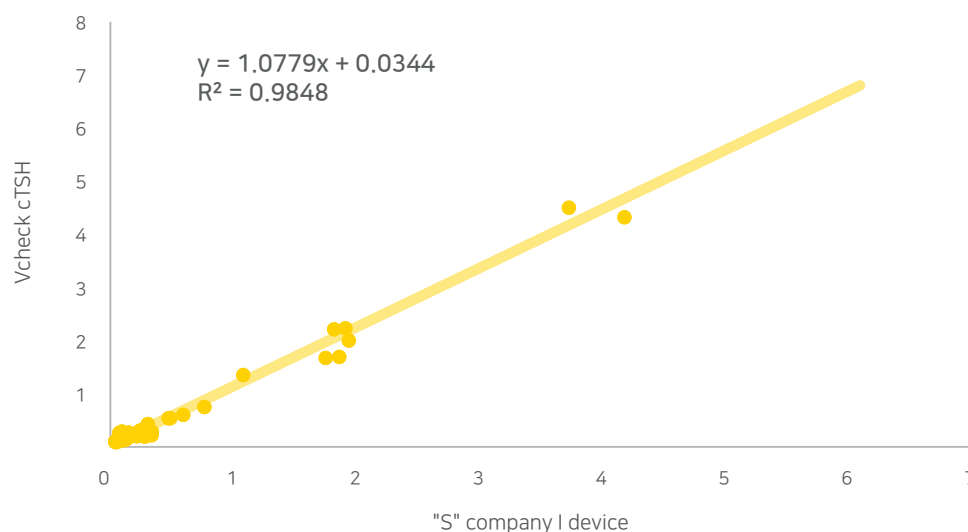
TSH is a glycoprotein produced by the anterior pituitary gland. Through its action on the thyroid gland, it plays a major role in maintaining normal circulating levels of the thyroid hormones, T4 and T3. Hypothyroidism is considered to be a common endocrine disorder in dogs, whereas hyperthyroidism in this species is rarely seen.

## When to measure TSH level?

- Measurement of serum TSH provides information on the interaction between the pituitary and the thyroid gland.
- The TSH assay is usually required for dogs with suspected hypothyroidism. A serum TSH concentration greater than the reference range is consistent with hypothyroidism. The TSH assay has high specificity, and serum levels should be interpreted in conjunction with the results from a T4 test.
- The prognosis for adult dogs with primary hypothyroidism that are receiving appropriate therapy is excellent.

## Evaluation data

Vcheck cTSH has great correlation with reference method (chemiluminescent assay). The chemiluminescent assay is used in reference laboratories. (n=52)

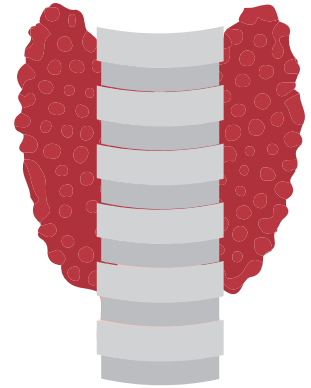


# Clinical signs of canine hypothyroidism

## Canine hypothyroidism

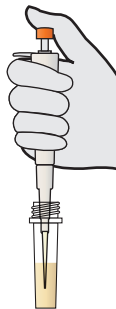
Lethargy  
Mental dullness  
Weigh gain  
Inactivity  
Weakness  
Anemia  
Endocrine alopecia  
Behavioral abnormalities

Clinical signs are variable and depend in part on the age of the dog at the time a deficiency in thyroid hormone develops.

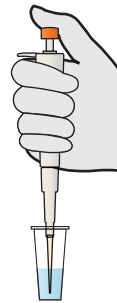


## Test procedure

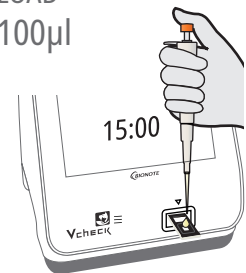
1 SAMPLE  
100µl



2 MIX  
5~6 times



3 LOAD  
100µl



## Features



Sample  
Serum 100 µl



Measurement Range  
0.25-5.00 mg/L



Test time  
15 minutes

## Ordering Information

Product No.	Product Name	Product Type	Packing Unit
VCF118DC	Vcheck cTSH	Device	5 Tests/Kit

