# Vcheck cTSH



### Hormone marker for canine hypothyroidism

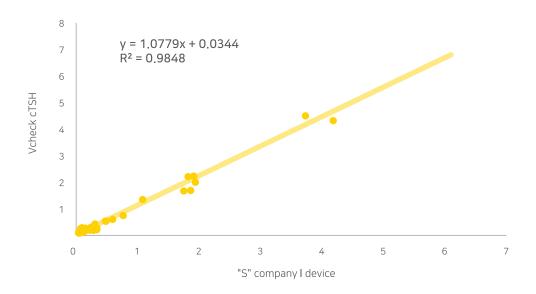
TSH is a glycoprotein produced by the anterior pituitary gland. Through its action on the thyroid gland, it plays a major role in maintaining normal circulating levels of the thyroid hormones, T4 and T3. Hypothyroidism is considered to be a common endocrine disorder in dogs, whereas hyperthyroidism in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



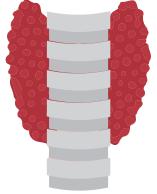
# **Clinical signs of canine hypothyroidism**

#### **Canine hypothyroidism**

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

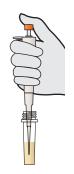
Clinical signs are variable and depend in part on the age of the dog at the time a deficiency in thyroid

hormone develops.



## **Test procedure**

1 SAMPLE 100µl



2 MIX 10 times





#### **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

