



# Application for Thyroid Database

Please type or print legibly. To ensure accuracy please enclose copy of the dog's registration papers  
Dogs New Zealand, Private Bag 50903, Porirua 5240. Phone: (04) 237-4489 www.dogsnz.org.nz

Please print out back page and take to your veterinarian . Please send copies of your laboratory results with this application

## Owner details

Registered Name		Registration number
Breed	Sex	Colour
Microchip number	Date of Birth (dd/mm/yy)	
Registration number of Sire	Registration number of Dam	
Owner(s) Name(s)		
Mailing address		
Phone (Mobile)	Email	
tick	I declare that details of the dog described are accurate and relate to the dogs tested.	
tick	I hereby authorise release of the test results to Dogs New Zealand for publication on this dog's pedigree.	
tick	I give my consent for these results to be used for the purpose of statistical analysis and scientific research and for the statistical and scientific research to be published.	
Signature of Owner		Date

## Veterinarian section

Examining veterinarian's name	Date of current examination (dd/mm/yy)
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### Clinical Findings

Normal

Abnormal signs

Dermatologic     Reproductive     Lethargy

Obesity     Other

### Veterinary Information

Based on the results of the thyroid profile which included free T4 dialysis, canine thyroid stimulating hormone and thyroglobulin auto-antibodies the animal, at this time is considered as:

Normal

Positive autoimmune thyroiditis

Positive compensative autoimmune thyroiditis

Idiopathically reduced thyroid function

Equivocal - the ABS recommends that this animal be retested in 3 to 6 months - status uncertain for breeding

I certify that the examination was performed according to the ABS procedure

I DID verify tattoo/microchip information on this dog     I DID NOT verify tattoo/microchip information on this dog

Veterinarian Signature	Date
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Vet stamp
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# THYROID SAMPLE SUBMISSION GUIDELINES

- The veterinarian or owner must obtain the “Application for Thyroid Database”.
- The veterinarian and owner must complete their respective portions of the form.
- The veterinarian will confirm microchip/tattoo identification and will ensure that this is included in the animal identification on the submission form.
- The veterinarian should request the "Dogs New Zealand (Dogs NZ) ABS Thyroid Panel" from Gribbles Laboratories.
- Two milliliters (2mL) of serum are needed for testing. The serum sample must be from freshly collected blood. Use a plain "red-top" tube for blood collection. Do not use a serum separator tube with clot additives or any other type of plasma collection tube. After collection, place the blood sample in the refrigerator for 60 to 90 minutes to allow clotting. Centrifuge, collect the serum, and transfer to a plain plastic or glass tube suitable for shipping. Clearly label the sample with the owner's name, animal's identification/microchip number, date of blood collections, and "NZKC ABS Thyroid Panel." If the specimen is to be stored for more than 12 hours prior to shipping, frozen storage is recommended.
- Ship to a Gribbles laboratory. It is recommended that all specimens be packaged properly and shipped so they are received either chilled or frozen. Serum samples arriving unchilled or at room temperature within 48 hours of the collection date will be accepted. However, samples arriving after this time must be received either chilled or frozen in order to be accepted for registry testing. Contact the laboratory if you have any questions or further instructions are needed.
- Please do not submit whole blood, clotted blood, or plasma.
- Severely lipemic or hemolyzed specimens are also unacceptable.
- Female dogs should not be tested during an estrus cycle.
- The date of last routine vaccination should be noted on the Dogs NZ ABS application.
- Test results will be mailed or faxed only to the submitting veterinarian. Owners can then submit the results to Dogs New Zealand.

## Indices of thyroiditis:

- a. **Free T4 (FT4)**—this procedure is considered to be the “gold standard” for assessment of the thyroid’s production and cellular availability of thyroxine. FT4 concentration is expected to be decreased in dogs with thyroid dysfunction due to autoimmune thyroiditis.
- b. **Canine Thyroid Stimulating Hormone (cTSH)**—This procedure helps determine the site of the lesion in cases of hypothyroidism. In autoimmune thyroiditis the lesion is at the level of the thyroid and the pituitary gland functions normally. The cTSH concentration is expected to be abnormally elevated in dogs with thyroid atrophy from autoimmune thyroiditis.
- c. **Thyroglobulin Autoantibodies (TgAA)**—This procedure is an indication of the presence of the autoimmune process in the dog’s thyroid.

## Interpreting Results

### a. Normal

FT4 Within normal range

cTSH Within normal range

TgAA Negative

### b. Positive autoimmune thyroiditis

FT4 Less than normal range

cTSH Greater than normal range

TgAA Positive

### c. Positive compensative autoimmune thyroiditis

FT4 Within normal range

cTSH Greater than normal range or Equal to normal range

TgAA Positive

### d. Idiopathically reduced thyroid function

FT4 Less than normal range

cTSH Greater than normal range

TgAA Negative

### e. All other results are considered equivocal

