

**PLEASE PLACE THIS SHEET IN THE FILE OF ANY FLAT-COATED RETRIEVER
PATIENTS FOR REFERENCE**

**Genetic Analysis of Canine Histiocytic Sarcoma
(Malignant Histiocytosis)**

Very little is known concerning the biology of malignant histiocytosis/histiocytic sarcoma in the dog. We are investigating this disease by comparing patterns of gene expression in normal and tumor cells. Our goal is to develop new treatments for malignant histiocytosis. We desperately need fresh samples for this project, so any help you can provide will be greatly appreciated.

PARTICIPANT REQUIREMENTS:

Flat-Coated Retrievers with known pedigrees can participate in this study. The affected dog can be male or female (intact or neutered) and **must have a diagnosis of malignant histiocytosis or histiocytic sarcoma** prior to sample submission. **A study-specific questionnaire is required of the owner.**

SHIP TO:

Cheryl London, DVM, PhD
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The Ohio State University
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INSTRUCTIONS TO VETERINARIANS:

Independent pathology is required prior to sample submission to confirm diagnosis of malignant histiocytosis or histiocytic sarcoma. If tumor pathology was not confirmed prior to surgical extraction (via fine needle aspiraton or tumor biopsy), it is suggested that collections for this study be done at a later date (e.g., post mortem). **Tumors that have been subjected to chemotherapy or radiation treatment CAN be used for this research.**

DIRECTIONS FOR TISSUE COLLECTION: [Sample Kit REQUIRED; Request before surgery]

Please note: In order to ensure that the tissue collected will be suitable for this research, collection of viable tissue requires exceptional attention to detail and aseptic technique, even if sampling is conducted post mortem. A specific Sampling Kit is REQUIRED. Dr. London ships it out for overnight delivery. When the kit is received, the ice packs should be placed in the freezer, and the tubes (there will be 10 of them) should be placed in the fridge (unless the kit is going to be used immediately). **Tumor tissue must be fresh; it can be collected at the time of surgical removal of the tumor or as soon as possible post mortem (within a maximum of 2 hours).** Areas of necrosis should be avoided.

TUMOR SAMPLES:

In the kit, you will find ten 1.5-ml tubes; 5 of these are empty and are for collecting tumor samples for DNA extraction. The other 5 tubes contain an RNA stabilizing agent; these are for collecting tumor samples for RNA extraction. Place a small piece of tumor (about the size of a 4 mm punch biopsy) in each of the 10 tubes provided. Place all tubes in the freezer (where they are stable for a few days) until they can be shipped.

SHIPPING: Samples should be shipped as soon as possible after they are collected. Samples must be sent on ice, and overnight delivery must be specified. Samples must arrive on a week day; thus, samples should be shipped Monday through Thursday for Tuesday through Friday deliveries.

Sample Submission Checklist: ___ 5 RNA tubes ___ 5 DNA tubes ___ ice packs

Supporting documents (may be submitted separately): ___ owner questionnaire ___ pathology report