



Bernese Mountain Dog DNA and Tissue Repository
Berner-Garde Foundation and Michigan State University
Dr. Vilma Yuzbasiyan-Gurkan
Berners@cvm.msu.edu
<http://old.cvm.msu.edu/research/berner>



Formalin-Fixed Tumor Sample Instructions: Submission for Diagnostic Analysis

If your pet has a tumor and you will be having it either surgically removed for biopsy or obtained at the time of euthanasia, please be sure to inform your veterinarian of the specific requests that we have for this project contained in this document. If there is sufficient tumor sample, the Repository also welcomes the submission of a fresh-frozen tissue sample.

- If you are interested in also submitting a fresh frozen tumor sample to the Repository, the instruction link is found at: <http://old.cvm.msu.edu/RESEARCH/berner/frozen.pdf>.

Diagnostic Pathology

We recommend that the diagnostic pathology service be performed at Michigan State University Diagnostic Center for Population and Animal Health (DCPAH), since correct diagnosis of each tumor is critical for the quality of the Repository.

SAMPLE COLLECTION AND PACKAGING

- If sufficient tumor sample, obtain **1/2** of the specimen and place into a non-breakable, leak-proof container.
 - 10% NBF
 - Reinforce seal with Parafilm or sealing tape
 - Label containers appropriately
 - Owner name, animal name, date
 - Berner Garde ID if available
- Place sealed primary container into a sturdy ziplock bag or a larger secondary container containing enough absorbent material to absorb all fluid.
 - Paper towel is a good absorbent
 - Double bagging is recommended
- Place the secondary container inside of a sturdy cardboard box for shipping.
 - If you are not using a kit sent from MSU, fill box with packing material such as packing peanuts
 - Draw arrows on the outside of the box pointing to the top
 - Label the outside of the box with the appropriate labels required for shipping specimen



BIOPSY SUBMISSION FORM FOR MSU DIAGNOSTIC CENTER SUBMISSIONS

- Download the MSU Diagnostic Center (DCPAH) biopsy request form at:
<http://www.animalhealth.msu.edu/Submittal%5FForms/Necropsy-Biopsy.pdf>.
- Print the submission form and have your veterinarian complete and enclose with the sample to be shipped to the MSU Diagnostic Center for Population and Animal Health. The shipping address for the Diagnostic Center is separate from the Repository and the address can be found on the second page of the biopsy submittal form.
 - The fee for the pathology diagnostic service is generally billed by your veterinarian (if they submit) or billed directly to you if you submit. Turn around time is generally 3-5 days for results. The cost for this diagnostic service is not covered by the Repository grant.
- . Please also complete an online Repository submission form (see below for details).

REPOSITORY SUBMISSION FORM

- Please also complete the Repository submission form located at:
http://www.bernergarde.org/dbaccess/DTR_OnlineSubmission.aspx.
- Under the section, "What are you submitting today?" choose "Tumor (formalin-fixed) sent to MSU Diagnostic Center."
 - *Please note:* if you are sending the tumor for pathology diagnosis to a lab other than MSU, we request that you choose "Tumor (formalin-fixed) sent to a different pathology lab" on the Repository submission form and send us a copy of the pathology report. Please send a copy of the pathology report to:

Dr. Vilma Yuzbasiyan-Gurkan
2209 Biomedical Physical Sciences
Michigan State University
East Lansing, MI 48824

SHIPPING TO DIAGNOSTIC LAB

- Store and ship sample at room temperature.
- Formalin-fixed samples can be shipped anytime via regular shipping methods.
- Information is available on how to ship formalin-fixed samples at the DCPAH website:
 - <http://www.animalhealth.msu.edu/Shipping/>
 - DCPAH phone: 517-353-1683
 - Ship sample to:
 - For US Mail Deliveries use:
DCPAH
PO Box 30076
Lansing, MI 48909-7576
 - For Courier Deliveries (Fed-Ex, Airborne, UPS, etc.) use:
DCPAH
4125 Beaumont Road
Lansing, MI 48910-8104

QUESTIONS?

Please contact us should you have questions or need clarification about this protocol. We realize this is a lot of information and that it can be complex in nature. We also realize you are also dealing with concerns about your pet's illness at the same time, so we are here to help.

Email: Berners@cvm.msu.edu

Phone: 517-432-9902 or 517-432-2808

Thank you very much for your participation!