



FIELD BIOPSY INSTRUCTIONS

Kit Contents:

3 vials Biopsy Transport Media (**REFRIGERATE upon arrival**)
Cold Packs (**FREEZE upon arrival**)
1 pair gloves
4X4 gauze with Ethanol
1 scrub brush with Chlorhexidine
1 disposable scalpel with blade
1 biopsy punch
1 forceps
3 strips Parafilm
Biopsy Information Form & Instructions
Tissue Banking Agreement
Return Shipping Label

Procedure:

1. Wear gloves to help prevent contamination of tissue.
2. Shave as much hair as possible from biopsy site (clippers followed by razor, or the provided scalpel can be used **CAREFULLY** to scrape/ remove hair). We recommend taking the biopsy from the ear, however, for show animals, you may want to choose a “hidden” biopsy site (e.g. between folds of skin or inside the upper thigh). Clean the scalpel with the ethanol gauze before the next step if it was used for hair removal.
3. Scrub biopsy site with chlorhexidine or betadine scrub followed by 70% ethanol-soaked gauze. Repeat twice (standard surgical prep). ***Elimination of dirt and other contaminants from tissue is crucial to the success of tissue banking.***
4. Use the provided biopsy punch to obtain 3 skin samples: Penetrate skin completely (through all dermal layers) by pressing firmly and twisting. If necessary, use sterile forceps and scalpel blade to completely separate the biopsy from the site. Using forceps, transfer the biopsy to a Transport Media Vial. Repeat process for remaining biopsies. **Note:** Biopsy may be taken with a sterile scalpel if so desired, as long as the total area of biopsy is roughly the same as three 8mm punches. It’s better to have a little more tissue if appropriate.
***For deceased animals,** please take a skin sample and a muscle or oral mucosa sample (1/2”x 1/2” each) using scalpel blade. The muscle may be taken just below the skin of the thigh and the oral mucosa sample from inside the upper lip. **Put each sample in a separate Biopsy Transport Media Vial.** Two different types of tissue and larger samples may be needed for the successful tissue banking of a dead animal.
5. Tighten lids of Transport Media Vials containing tissue, wrap lids with the Parafilm provided, and store vials in refrigerator (40-50°F) until ready for overnight return shipment to Global Genetics and Biologicals. **DO NOT FREEZE THE TISSUE SAMPLES!** Overnight shipment on day of biopsy is best, but samples may be held in a refrigerator (4°C) for a short period if overnight shipment is not possible (Example: if biopsy is performed on a Saturday, hold in refrigerator until able to ship on Monday).
6. Just before shipping samples, place the Transport Media Vials back into styrofoam kit. Retrieve the Cold Packs from the freezer and return them to the kit to keep the samples cool.
7. Return to kit all of the completed & signed paperwork with credit card information or a check (on top of inner Styrofoam box), seal outer box with packing tape, and place the return shipment label on outside of box. Please perform the biopsy and return samples to Global Genetics and Biologicals on prearranged date. **Call our facility if samples will not be returned on the prearranged date. If kit is expected to be returned to our facility on a Saturday, we MUST be notified before 5pm CST on Friday and the airbill should be marked “HOLD Saturday at FedEx location,” and the “Ship To” address as 3205 Longmire Dr., College Station, TX 77840.**

Prices:

Tissue Processing: \$700.00
Annual Storage: \$120.00
Tissue Collection: get quote from your veterinarian

**Include payment with shipment (check or credit card).
PROCESSING WILL NOT BEGIN UNTIL PAYMENT IS RECEIVED.**