

Pronghorn Sample Collection for Genetic Research

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Genetic research is now an integral part of wildlife management as it provides a unique perspective into underlying population dynamics that are affected by factors such as habitat loss, barriers to movement and disease outbreaks. Currently, there is a lack of genetic information for pronghorn in Wyoming, despite the fact that half of the remaining pronghorn in the world are within this state's borders. The samples you are collecting, along with samples collected throughout the state will provide a baseline for monitoring the genetic health of Wyoming pronghorn and will offer insight on topics such as migration, adaptation, and disease ecology.

Sampling kit contents:

- Disposable razor blade to collect tissue sample
- 1.5 ml tube containing silica desiccant beads
- Data label on outside of bag

Instructions:

1. Please fill out the data label with as much information as possible. For location data, hunt area and drainage are crucial. More specific location data is optional, but if provided, will allow us to produce better research to give back to WGFD in the end, so any additional information is extremely valuable.
2. Muscle tissue collection
 - Use razor blade to collect a muscle tissue sample from most convenient location; tissue sample should be approximately a 0.4cm cube (about the size of a pencil eraser)
 - Place tissue in tube with desiccant and attach lid tightly
 - Keep sample out of direct sunlight at room temperature
3. Please ship the kits in a padded envelope or box to our lab at the following address:

University of Wyoming
c/o Shipping and Receiving, 16th and Gibbon
Agricultural Building C, Rm 6016
Attn: Ernest Lab
Laramie, WY 82071

Please don't hesitate to contact us with any questions or concerns about sample collection. We also welcome suggestions, as we aim to make sample collection as easy and efficient as possible for you and your team.

Thank you for your help!

Melanie LaCava (Project lead, PhD student)