



## Genetics Committee

### Summary table of how to collect, preserve and transport different samples for genetic analysis.

Sample Type	Shipping*	Requires CITES	Quality of DNA	Quantity to sample	Preservation Method	Storage	Considerations
Hair	Easy	Yes	Excellent	5-10 hairs with roots	Dry, unwaxed envelopes	Room temperature, out of light and humidity	Must have hair roots. Keep several envelopes in sealed plastic bag with silica gel
Feces	Medium	No	Good	1+1cm <sup>2</sup> (squares in different portions of dung) of surface	Ethanol, 2ml of dung:3ml of Ethanol	Room temperature, away from light	Must be fresh (0-72h old)
Ear tissue	Medium	Yes	Excellent	1cm <sup>2</sup>	Ethanol (enough to soak the sample)	Room temperature, away from light	Can use for road-kills
Muscle	Medium	Yes	Good	A few mm <sup>2</sup>	Ethanol (enough to soak the sample)	Room temperature, away from light	Make sure meat isn't rotten
Blood	Hard	Yes	Excellent	1ml	1:1 ratio of Easy Blood Buffer, or EDTA vacutainers	Cool, or frozen	Good, but expensive

\*Easy – light, no flammable materials, and can be shipped at room temperature. Medium – can be shipped at room temperature, but not so light, and has flammable materials. Hard – requires to be shipped cold.