

DIRECTIONS FOR OBTAINING DNA SAMPLES

HAIR SAMPLES

- ❖ Pull 30-50 hairs from the mane or tail (5-10 hairs at a time).
- ❖ Make sure there are some pulled hairs with a bulb or follicle at the end.(This is where we obtain the DNA.)



- ❖ Do not use shedded hairs. (from brush,etc.)
- ❖ Align the bulb ends of the pulled hairs together and trim end without bulb to 3-4 inches.
- ❖ Tape hair on paperwork where indicated.
- ❖ Place in standard envelope.
- ❖ Put envelope and appropriate paperwork in First Class Mail or Express, if desired.

WHOLE BLOOD OR SERUM SAMPLES

- ❖ Save polyfoam container as this will be used to forward blood samples to lab.
- ❖ Before collecting blood, carefully identify the horse and print horse's name on tubes.
- ❖ Draw blood samples using a clean, sterile vacutainer needle under aseptic conditions. The red stopper tube is for a clotted sample and the yellow stopper tube contains anticoagulant. Do not remove stoppers from tubes.
- ❖ Fill blood tubes within ¼ inch of top. Check to be certain the stoppers are secure. Slowly invert yellow tube several times.
- ❖ After obtaining the blood samples return the tubes to the polyfoam container and refrigerate a few hours before shipping.
- ❖ Mail samples so as to arrive at laboratory no later than Thursday of any week and not just preceding a holiday. (We do not want samples sitting at post office over weekends or holidays.) Samples can not get hot or freeze.
- ❖ Be sure to mark package: PERISHABLE - RUSH – KEEP FROM HEATING OR FREEZING
- ❖ Ship package via First Class Mail or Express, if desired.

OTHER SAMPLES

- ❖ **BONE** : Package carefully in box. Place correct paperwork and labeling on sample.
- ❖ **TISSUE**: Freeze tissue and mail overnight on ice. Place correct paperwork and labeling on sample.

PAPERWORK MUST BE INCLUDED OR SAMPLE CAN NOT BE PROCESSED.

MAIL TO:

UNIVERSITY OF KY
ANIMAL GENETIC TESTING & RESEARCH LAB
108 GLUCK EQUINE RESEARCH CENTER
LEXINGTON, KY 40546-0099

(859) 257-4757, EXT. 81212