

INSTRUCTIONS FOR SAMPLE SUBMISSION FOR GENETIC DEFECT TESTING

Collect **at least 2cc of whole blood (not serum) in EDTA (purple top) blood tubes OR send a single thawed straw of semen. Currently these are the only type of samples that will be processed.**

An anticoagulant is used in the purple top tubes to keep the blood from clotting. After collecting the blood, the tube must be mixed thoroughly by inverting 5-10 times. **Severely clotted blood samples received will NOT be processed and must be resubmitted.** It is also important that a new needle/syringe be used for each animal. The sensitivity of the test can detect very small quantities of contamination potentially producing invalid test results.

Semen straws should be protected from breakage during shipment by placing them in a semen cane or goblet and packaged in a padded envelope or small box. **Please refrain from shipping semen straws in standard sized mailing envelopes.** When processed by the US Postal Service, these samples are often crushed by the rollers in automated mail handling equipment.

Please label the blood tube with the animal's permanent ID and/or ACA Registration # (if available.)

Written results will be provided on all samples tested. It is in your best interest to identify the samples as completely as possible for your future reference and use. Although not required, a Sample Submission Form is available to assist you in documenting the samples.

Samples should arrive at the laboratory within 48 hours of collection for best results.

Second day shipping via UPS, US Postal Service Priority Mail or Federal Express are recommended. Samples that are collected a day prior to shipment should be kept refrigerated until shipment.

Hot Weather: When temperatures exceed 90°F for extended periods, please include a cold pack with the samples. **DO NOT FREEZE.**

Cold Weather: When temperatures are below 35°F, please pack the samples in an insulated container to avoid freezing.

Enclose payment and all relevant contact information.

24 or fewer samples (at one time) – \$27/each 25 or more samples (at one time) – \$25/each
As of December 1, 2005, samples will not be processed until payment is received.

Parental Verification is an additional \$38/animal and will be billed directly from the ACA.

Please include all contact information such as name, address & phone numbers with your samples. Please fill out the appropriate Submission & Release Forms and send in with your samples.

Send the samples to: **AgriGenomics, Inc.**
2399 N 1000 East Road
Mansfield, IL 61854

RELEASE OF TH STATUS AND DNA SAMPLE TO ACA APPROVED LAB FOR DNA GENOTYPING/PARENTAL VERIFICATION

The ACA Genetic Defect Policy requires that all AI sires, ET donor dams and cloned animals be DNA genotyped, parentally verified and genetic defect tested with results reported to the ACA. In order to have samples released for parental verification and released to the ACA, you must complete the **Request For Release** form. No test results or samples will be released prior to the receipt of the completed form.