

# **KARYOTYPING FORM**

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<http://vetmed.tamu.edu/labs/cytogenics-genomics>**

Owner/Agent Name: \_\_\_\_\_

Phone/Fax/Email: \_\_\_\_\_

Date Sample Taken: \_\_\_\_\_

Signature of person taking sample: \_\_\_\_\_

**SPECIES SAMPLED:** \_\_\_\_\_

Name of the Animal	Registration No.	Year of birth	Breed	Sex	Color

Name and clinical history of sire:

Name and clinical history of dam:

**Reasons for karyotyping:**

**FAX/Email:(for sending results and invoice):** n/a

1. Blood samples **MUST be collected in 1 x 5-10 ml Sodium or Lithium heparin** vacutainers (green cap) and **2 x 10 ml EDTA** (purple cap) vacutainers.
2. Samples **MUST** be sent by overnight mail. Please wrap the tubes in paper towels and only then put them on ice to **avoid freezing**. Samples degraded during transit are sender's responsibility.
3. PLEASE DO NOT send samples out on a Friday. Normal turn-around time for results is 10 working days.
4. **CHARGES (please make the checks payable to Texas AgriLife Research):**  
\$300 – basic chromosome analysis from blood (chromosome number count and assessment of the sex chromosomes).  
For species with available karyotype standard (cattle, horse, sheep, goat, pig, dog, cat, alpaca, chicken, mouse, rat).  
\$350 – basic chromosome analysis from blood for species with NO karyotype standard (exotic species).  
\$600 – basic chromosome analysis from fibroblast cultures of any species. (Growing and sub-culturing cells longer than one week will include additional charges of \$50 per week per cell line).  
\$600 – basic chromosome analysis for insurance agencies and private companies.  
\$200 extra - for G-banding and G-banded karyotyping.

Plus **additional \$10** if we send the heparin tubes to you. Your veterinarian may charge an additional fee.

5. **RESULTS.** The sender will be supplied with an image of a metaphase chromosome spread from a cell obtained from the sample. For detailed analysis (banded karyotype), there are extra charges. To ensure confidentiality, results will not be provided by phone, unless the requesting agency wants it. One copy of the results will be mailed or sent by fax or email to owner/agent.

**Original records will be maintained on permanent file at the TAMU Molecular Cytogenetics Laboratory.**

**OWNER CONSENT:** I \_\_\_\_\_ (owner/vet signature) hereby allow the cytogenetic laboratory to isolate and archive the DNA from this animal for research purposes.