

September 2001

**CHEETAH GASTRIC BIOPSY PROTOCOL**

Investigators: Linda Munson & Karen Terio, University of California, USA  
Scott Citino, White Oak Conservation Center, USA

ANIMAL OWNER

ADDRESS

VETERINARIAN TAKING BIOPSIES

CHEETAH ID (AJU) # \_\_\_\_\_ TRANSPONDER# \_\_\_\_\_ SEX

BIRTH DATE/AGE CLASS \_\_\_\_\_ WEIGHT

DATE OF BIOPSY \_\_\_\_\_ NUMBER OF DAYS IN CAPTIVITY \_\_\_\_\_

HISTORY of vomiting or weight loss:

\*\*\*Please attach a copy of appropriate medical record\*\*\*

TREATMENT (Drug, dose, duration of treatment):

HISTORY of vomiting or gastritis in other cheetahs at this institution:

OTHER FACILITIES where this cheetah has resided:

PREVIOUS ENDOSCOPY AND / OR BIOPSY (including dates and results, please include pathologist/lab to whom samples were sent):

**CURRENT ENDOSCOPIC FINDINGS:**

**SAMPLE ACQUISITION, HANDLING, AND SHIPMENT**

**BIOPSY PROCEDURE:**

Take 20 pinch biopsies, most of which should be from the fundus (body) region, but also take representative biopsies from the cardia and pylorus

ANIMALS WITH LESIONS: Also take multiple pinch biopsies of the mucosa from the **affected** areas in addition to the 20 standard biopsies listed above.

**BIOPSY HANDLING**

Distribute the 20 pinch biopsies as follows:

- 1) 10 biopsies should be fixed in 10% buffered formalin for histopathology and electron microscopy
- 2) 5 biopsies should be embedded in OCT and snap frozen in liquid nitrogen for histochemical procedures
- 3) 5 biopsies should be frozen at - 70 C or placed in "RNA Later" and refrigerated for molecular characterization

**SHIPPING FORMALIN-FIXED TISSUES: PLEASE OBTAIN PROPER CITES AND EXPORT PERMITS BEFORE SHIPPING TISSUES.**

Place tissues in a leak-proof container in adequate formalin to keep tissues moist. Label container with animal ID and date. Biopsies can be stored at the Cheetah Conservation Fund (CCF) until transport is available to the US or can be shipped by courier service to:

Dr. Linda Munson  
Dept. VM-PMI  
1126 Haring Hall  
1 Shields Ave  
University of California  
Davis, CA 95616  
U.S.A.

Phone: 530-754-7567  
Fax: 530-752-3349  
E-MAIL: [lmunson@ucdavis.edu](mailto:lmunson@ucdavis.edu)

**FROZEN TISSUES:** It is recommended the frozen samples be stored at CCF (in liquid nitrogen) until they can be transported to the US in a dry shipper. Please do not ship with the formalin-fixed samples. Samples in RNA later should be refrigerated and hand transported to the US.