

CHEETAH NECROPSY PROTOCOL

OWNER/FARM WHERE FOUND

ADDRESS

AJU # _____ TRANSPONDER # _____ SEX

BIRTH DATE or AGE CLASS _____ WEIGHT

DATE OF DEATH _____ DATE OF NECROPSY

HISTORY: (briefly summarize clinical signs, circumstances of death):

FIXING AND SHIPPING TISSUES: PLEASE OBTAIN PROPER CITES AND EXPORT PERMITS BEFORE SHIPPING TISSUES.

Preserve the following tissues in 10 % buffered formalin at a ratio of **1 part tissue to 10 parts formalin**. Tissues should be no thicker than 1 cm. Tissues should be preserved in a wide-mouthed jar. After at least 72 hrs in fixative, ship tissues in a leak-proof container with adequate formalin to keep tissues moist. Tissues can be stored at the Cheetah Conservation Fund until transport to the US is arranged or shipped by courier to:

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GROSS EXAMINATION WORKSHEET

PROSECTOR:

GENERAL CONDITION: (Nutritional condition, physical condition)
Neonates: examine for malformations (cleft palate, deformed limbs, etc)

SKIN: (Including pinna, feet)

MUSCULOSKELETAL SYSTEM: (Bones, joints, muscles)

BODY CAVITIES: (Fat stores, abnormal fluids)

Neonates: assess hydration (tissue moistness)

HEMOLYMPHATIC: (Spleen, lymph nodes, thymus)

RESPIRATORY SYSTEM: (Nasal cavity, larynx, trachea, lungs, regional lymph nodes)

Neonates: determine if breathing occurred (do the lungs float in formalin?)

CARDIOVASCULAR SYSTEM: (Heart, pericardium, great vessels)

DIGESTIVE SYSTEM: (Mouth, teeth, esophagus, stomach, intestines, liver, pancreas, mesenteric lymph nodes). **Neonates:** is milk present in the stomach?

URINARY SYSTEM: (Kidneys, ureters, urinary bladder, urethra)

REPRODUCTIVE SYSTEM: (Testis/ovary, uterus, vagina, penis, prepuce, prostate, mammary glands, placenta)

ENDOCRINE SYSTEM: (Adrenals, thyroid, parathyroids, pituitary)

NERVOUS SYSTEM: (Brain, spinal cord, peripheral nerves)

SENSORY ORGANS (Eyes, ears)

PRELIMINARY DIAGNOSES (summary of findings):

LABORATORY STUDIES:(List bacterial and viral cultures submitted and results, if available)

Preserve the following tissues in 10 % buffered formalin at a ratio of **1 part tissue to 10 parts formalin**. Tissues should be no thicker than 1 cm. INCLUDE SECTIONS OF ALL LESIONS AND SAMPLES OF ALL TISSUES ON THE LIST.

Most important tissues to collect:

- ___ **Liver** - sections from 3 lobes, including gall bladder
- ___ **Adrenal** - entire gland with transverse incision.
- ___ **Kidney** -cortex and medulla from each kidney
- ___ **Stomach** - multiple sections from fundus (body), and also sections of cardia and antrum of pylorus
- ___ **Heart** - longitudinal sections including atrium, ventricle and valves from right and left sides.
- ___ **Brain** - cut longitudinally along midline. Submit entire brain and **pituitary gland**.

Other tissues to collect:

- ___ **Lung** - sections from several lobes including a major bronchus
- ___ **Spleen** - Cross section including capsule.
- ___ **GI Tract** - 3 cm long sections of:
 - ___ **Esophagus**
 - ___ **Small intestines - duodenum, jejunum, ileum**
 - ___ **Large intestines** - cecum, colon
- ___ **Pancreas** - representative sections from two areas including central ducts
- ___ **Reproductive tract** - Entire uterus and ovaries with longitudinal cuts into lumen of uterine horns. Both testes (transversely cut) with epididymis. Entire prostate, transversely cut.
- ___ **Salivary gland**
- ___ **Oral/pharyngeal mucosa and tonsil** -plus any areas with erosions, ulcerations or proliferative lesions.
 - ___ **Tongue** - cross section near tip including both mucosal surfaces.
 - ___ **Trachea**
 - ___ **Thyroid/parathyroids** - leave intact.
 - ___ **Lymph nodes** - cervical, mediastinal, bronchial, mesenteric and lumbar. Cut transversely.
 - ___ **Thymus** (may not be present in adults)
 - ___ **Omentum** - ~3 cm square
 - ___ **Urinary bladder, ureters, urethra** - cross section of bladder and 2 cm sections of ureter and urethra.
 - ___ **Eye** - both eyes intact. Remove extraocular muscles and periorbital tissues.
 - ___ **Spinal cord** (if neurologic disease) - sections from cervical, thoracic and lumbar cord.
 - ___ **Diaphragm and Skeletal muscle** - cross section of thigh muscles
 - ___ **Opened rib or longitudinally sectioned ½ femur** - marrow must be exposed for proper fixation
 - ___ **Skin** - full thickness of abdominal skin, lip and ear pinna.
 - ___ **Neonates: umbilical stump** - include surrounding tissues.