

Fixed Tissue List for Histopathology in Animal Cruelty Cases

Agency: Case #:
Animal ID: Lab Submission:
Date: Veterinarian:

1. Preserve the tissues in 10% buffered formalin at a ratio of 1 part tissue to 10 parts formalin.
2. Samples should be no more than 0.5cm to 1.0 cm thick and 3 X 4 cm (length and width) to fix properly. The exceptions are brain, spinal cord, and eye. The ratio of tissue to formalin is 1:10 in the wide mouth containers.
3. Tissues collected should be based on case information, medical history, and necropsy findings including lesions, wounds, and evidence of injury or disease.

Salivary gland

Oral/pharyngeal mucosa and tonsil

Tongue - cross section near tip including both mucosal surfaces.

Lung - sections from several lobes including a major bronchus

Trachea

Thyroid/parathyroid

Lymph nodes - cervical, mediastinal, bronchial, mesenteric and lumbar; cut transversely.

Thymus

Heart - sections from both sides including valves

Liver - sections from 3 different areas including gall bladder

Spleen - cross sections including capsule.

GI Tract - 3 cm long sections of:

Esophagus

Stomach - multiple sections from all regions of the lining

Intestines - multiple sections from different areas

Omentum – 3 cm square

Pancreas - sections from two areas

Adrenal - entire gland with transverse incision.

Kidney - cortex and medulla from each kidney

Urinary bladder, ureters, urethra - cross section of bladder and 2 cm sections of ureter and urethra.

Reproductive tract - entire uterus and ovaries with longitudinal cuts into lumens of uterine horns; both testes (transversely cut) with epididymis; entire prostate transversely cut.

Eye

Brain - cut longitudinally along midline.

Spinal cord - sections from cervical, thoracic and lumbar cord.

Diaphragm and Skeletal muscle - cross section of thigh muscles

Opened rib or longitudinally sectioned femur - marrow must be exposed for proper fixation

Skin - full thickness of abdominal skin, lip, and ear pinna.

Neonates: umbilical stump - include surrounding tissues