

## **Fixed Tissue Histology Checklist (ASPCA) BMAH #\_\_\_\_\_.**

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 TISSUE LIST.

- \_\_\_ **Salivary gland**
- \_\_\_ **Oral/pharyngeal mucosa and tonsil** - plus any areas with erosions, ulcerations or other lesions.
- \_\_\_ **Tongue** - cross section near tip including both mucosal surfaces.
- \_\_\_ **Lung** - sections from several lobes including a major bronchus
- \_\_\_ **Trachea**
- \_\_\_ **Thyroid/parathyroids**
- \_\_\_ **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** (if neurologic disease) - 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

After Dr. L. Munson - <http://www.vetmed.ucdavis.edu/whc/Necropsy/AppIIb.html>