

QUALITY CONTROL

ELECTRON MICROSCOPY SAMPLE PREPARATION

Inspector Instructions:

 <p>OBSERVE</p> <ul style="list-style-type: none"> Sampling of blocks (adequately identified) Sampling of slides and electron micrographs (quality, adequately identified)
 <p>ASK</p> <ul style="list-style-type: none"> How does your laboratory ensure specimen identity throughout testing? How does your laboratory ensure appropriate tissue areas are selected for EM examination?

ANP.52100 Tissue Section Review

Phase II



Sections of embedded tissue (face sections) are reviewed by the pathologist to ensure that appropriate areas are selected for electron microscopic examination.

ANP.52150 Tissue Section Review

Phase I



Where appropriate, one micron sections (prepared after trimming or ultra-thin sectioning) are also reviewed by the pathologist to ensure that appropriate areas have been selected.

NOTE: An example might be a mesenchymal neoplasm where confusion between tumor cells and admixed stromal elements could occur.

ANP.52300 Slide/Electron Micrograph Quality

Phase II

Slides and electron photomicrographs are of sufficient quality for proper interpretation of ultrastructural changes.

INSTRUMENTS AND EQUIPMENT

Inspector Instructions:

 <p>READ</p> <ul style="list-style-type: none"> Sampling of EM maintenance and repair records Sampling of EM calibration records
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