

<b>OBSERVE</b> 	<ul style="list-style-type: none"> <li>Instruments/equipment (clean and well-maintained)</li> </ul>
<b>ASK</b> 	<ul style="list-style-type: none"> <li>How does your laboratory prevent cross-contamination between specimens or cases at the processing, embedding, and microtomy stations?</li> <li>Please explain your process for refilling tissue processor solutions</li> </ul>
<b>DISCOVER</b> 	<ul style="list-style-type: none"> <li>If problems are identified during the review of instruments and equipment, or when asking questions, further evaluate the laboratory's responses, corrective actions and resolutions</li> <li>Select a representative assay and follow the entire process from specimen receipt to final result reporting</li> </ul>

**ANP.23100 Tissue Processor Solutions****Phase I****Tissue processor solutions are changed at intervals appropriate for the workload.**

*NOTE: When solutions are changed, they must be entirely replaced with new solution and not just "topped off."*

**Evidence of Compliance:**

- ✓ Records of solution changes at the defined frequency

**REFERENCES**

- 1) Baunoch DA, et al. Troubleshooting problems in processing, staining. *Advances in Lab.* 1999(Oct);8(10):59-64
- 2) Compton CC, Robb JA, Anderson MW, et al. Preanalytics and Precision Pathology: Pathology Practices to Ensure Molecular Integrity of Cancer Patient Biospecimens for Precision Medicine. *Arch Pathol Lab Med.* 2019;143(11):1346-63.

**ANP.23120 Tissue Processing Programs - Validation****Phase II****Tissue processing programs are validated.**

*NOTE: To validate new processing programs, laboratories should run tissue samples of the same size, thickness and fixation in duplicate. Reagents on the processor(s) should be comparable, eg, all fresh reagents. Process, embed, cut, and stain slides at the same time and evaluate the quality of the blocks, eg, firmness, ease of cutting. The slides should be evaluated by the pathologist without knowledge of which processing program was used and graded on quality of section and staining. The new processing program must be of adequate quality before being put into use.*

*This method may also be used to verify a routine processing program before putting a new processor into clinical service.*

*For tissue programs in place prior to July 31, 2012, ongoing records of acceptable tissue processing may be used to demonstrate compliance with this requirement.*

**Evidence of Compliance:**

- ✓ Validation records of processing program changes

**ANP.23130 Tissue Processing Programs****Phase I****Specific tissue processing programs are available for different types and sizes of specimens.**