BxChip Competency Assessment

COMPETENCY ASSESSMENT

Employee Name: _____ Employee Title _____

☐ **Initial** ☐ **Six-month** ☐ **Annual**

Knowledge Evaluation

1. Which lane of the BxChip is designated as lane 1/A ?
   a. Lane order is not relevant
   b. The lane furthest away from the wavy edge
   c. The lane closest to the wavy edge

2. How long can the BxChip remain out of formalin/saline before it dries out?
   a. The BxChip does not dry out
   b. 1 hour
   c. 15 minutes
   d. less than 1 minute

3. A BxChip block can be cooled in a liquid ice bath at microtomy
   a. True
   b. False

4. The BxChip is embedded with the grooves facing down.
   a. True
   b. False

5. It is important to achieve true "en-face" sectioning of the BxChip.
   a. True
   b. False

6. How can you determine complete BxChip sections at microtomy?
   a. It is easy to observe in the block
   b. Place a test section/ribbon on the water bath
   c. Follow a pre-determined number of microtome rotations to gauge depth
   d. All of them

7. Which direction should the BxChip be sectioned?
   a. Parallel to the direction of the lanes

b. Perpendicular to the direction of the lanes

c. At a slight angle from parallel to the direction of the lanes

d. a or c

8. Proper embedding, with the cassette placed completely flat, is critical for good microtomy.
   a. True
   b. False

9. The BxChip requires special H&E staining protocols.
   a. True
   b. False

10. The BxChip can be processed in a cassette with no sponges.
    a. True
    b. False

Practical Evaluation

Observation of Specimen Loading and Imaging

(DO: Direct Observation; RR: Record Review; PS: Problem Solving; :TTest)

Required Competencies	Evaluation Method DO/RR/PS/T	Competencies met? yes/no	Test Date
Accurately orients BxChip and loads 1:1 to correct lanes			
Loads BxChip according to protocol and accurately correlates BxChip lanes to samplesites.			
Prepares (sponges & cassettes) and processes (validated protocol) the BxChip			
Demonstrates samplechain of custody and proper embedding technique			
Achieves en-face sectioning and maintains block-slide chain of custody			

Case Review

Tissue Type	Accession Number	Employee Initial & Date	Results 0 - Unacceptable 1 - Improvement needed 2 – Acceptable	Pathologist Approval	Comments

			3 - Exceeds Expectations		

Corrective Action: Describe corrective actions taken to address any performance deficiencies identified during the competency assessment.

_____

_____

_____

Retrain/Retest Date: _____ Trainer/Supervisor Initials: _____

I understand that by signing below I agree that I have been trained and I am proficient in the tasks described. Furthermore, I agree to maintain my proficiency, request additional training if I feel that it should become necessary, and assume responsibility for staying up to date with any new changes.

Employee Signature: _____ Date _____

Trainer/Supervisor Signature: _____ Date _____

The above-mentioned employee is qualified and found to be competent to process tissues using the BxChip. This qualification does not extend to other tissues which the employee has not been trained or found competent to handle.

Lab Director: _____ Date: _____

Knowledge Evaluation Key

1. c
2. c
3. b
4. a
5. a
6. b
7. d
8. a
9. b
10. b