T-handle Jamshidi® bone marrow biopsy/aspiration needle with marrow acquisition cradle

Directions for use reference

Use these instructions only as a reference. Read the Directions for use that accompany the product for more detailed instructions.

1. Introduce the needle through the incision, and using firm pressure, slowly advance the needle while rotating the needle 45° in an alternating clockwise/counter-clockwise motion. (A and B) Entrance into the marrow cavity is generally detected by decreased resistance.

2. Rotate the stylet 90° counter-clockwise, and pull the stylet out of the handle.

3. With the stylet removed, slowly advance the needle with a slight clockwise/counter-clockwise motion until adequate marrow is obtained. **Note:** Sample architecture may be damaged with excessive clockwise/counter-clockwise movement.

4. Insert the combined support rod and specimen cradle into the needle. (C) Advance only far enough to rest on top of the specimen. Approximation of specimen length can be identified at this time.

5. Advance the specimen cradle down to the handle base while maintaining the support rod in a stationary position. (D)

6. Rotate the specimen cradle 360°. (E)

7. **A.** Remove the specimen cradle and support rod from the needle. Assess the adequacy of the trephine; or
   **B.** Slowly remove the needle, specimen cradle and support rod from the patient with a gentle clockwise/counter-clockwise motion. Remove the specimen cradle and support rod from the needle.

8. **A.** Advance the support rod through the specimen cradle to remove the biopsy specimen; (F) or
   **B.** Place the probe guide onto the distal cannula tip. Insert the probe into the guide, and remove the biopsy specimen. (G)

**Caution:** For single use only. Re-use may result in a non-functional product or contribute to cross contamination.

For product information and technical assistance, please call 800.653.6827.

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