# Department of Pathology- Histology

## Bone Marrow Biopsies

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# Purpose

Establish procedure for processing bone marrow biopsies receipt and decalcification prior to processing.

# Materials

* **AZF:** standard fixative for bone marrow fixation (Acetic Zinc Formalin).
* **Formical 2000:** Formic acid (EDTA)
* **BMX:** bone marrow core biopsy
* **BMC:** bone marrow clot
* **SoftPathDx**
* **Winscribe**

# Procedure

### Winscribe

1. Sign into Winscribe
2. Click New Job
3. Scan barcode on requisition.
4. If grossing a Rush case, click the Priority button to change it to urgent.
5. Use foot pedals to record your dictation, and rewind/play back if needed.
6. Click Send when job is complete.

### SoftPathDx

1. Sign into SoftPathDx-Live
2. Verify workstation
3. Click Processing

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1. Click specimen preparation
2. Click Barcode # field
3. Scan container A to bring up the case
4. Scan container A to receive specimen in department
5. Scan container A to create block
6. Record gross dictation into Winscribe.
   * *Bone Marrow:*
     + *Read accessioning number, and patient name*
     + *State number of containers*
     + *Read container label*
       - *Standard BMX 1- one core*
         * *“Standard BMX 1. (size of core) 1 NS”*
       - *Standard BMX 2- multiple cores*
         * *“Standard BMX 2. (number of cores) ranging in size from (smallest core to largest core) (number of cores) NS.”*
       - *Bone marrow clot*
         * *“Standard BMC. (Weight of clot) grams. 1 cassette NS”*
     + *Example:*
       - *“Standard BMX 2. 2 cores ranging in size from 0.5 to 1.1 cm. 2 NS”*
       - *“Standard BMC 0.6 grams. 1 cassette NS”*
7. Scan container A to complete grossing
8. Scan container A to send the container to storage
9. Scan Cassette A to submit tissue

a. Ctrl S to save

1. For multiple part cases, repeat steps 6-10 until all specimens have been grossed
2. Verify each cassettes protocol
3. Bone marrow core biopsies should have DECAL as the protocol
4. Bone marrow clot biopsies should have HISTO as the protocol
5. Bone marrow specimens should be fixed in AZF minimum of 2 hours.
6. Prior to submitting the AZF fixed BMX in its cassette for decalcification, it must be rinsed in running tap water for at least 10 minutes prior to decaling in Formical 2000.
7. Place well rinsed cassette in Formical 2000 for 2 1/2 hours.
8. Remove cassette from Formical 2000 and rinse in running tap water 10 minutes minimum.
9. Place bone marrow cassettes in basket for routine tissue processing, embedding and staining.