

## Handling of a Bone Marrow “Dry Tap”

CGI has a very high success rate with limited amounts of specimen submitted for flow cytometry and/or cytogenetic studies, with the same turnaround time as more cellular aspirate specimens.

The following specimen collection method can help our hemato-pathologists to reach a conclusive diagnosis on these types of specimens:

### **1. Collect 2 or more Bone Marrow Core biopsies**

#### **a. Make 5-10 touch imprint slides from the biopsies**

- For Cytology and Morphology.
- Be sure to keep slides **AWAY FROM FORMALIN**
- Do not place open formalin jar anywhere near slides as the formalin fumes may affect the quality of morphologic evaluation
- Let all slides **AIR DRY COMPLETELY** before placing in the plastic container to prevent smudging

#### **b. Place the 1st bone marrow core biopsy in a Formalin jar**

- For Histology and IHC testing

#### **c. Place the 2nd biopsy in RPMI media**

- For Flow Cytometry and/or Cytogenetics testing
- Store in refrigerator until shipped

#### **d. Additional samples should be submitted for histology**

### **2. Collect a peripheral blood specimen in a Sodium Heparin or green top tube**

- For possible Flow Cytometry and/or FISH testing, if indicated.

### **3. Collect a peripheral blood specimen in an EDTA or purple top tube**

- For possible PCR testing, if indicated.

### **4. Indicate on REQUISITION that the specimen is a “DRY TAP”**

### **5. Place each specimen in the Biohazard bag before placing in kit**

**6. Call 888-334-4988 or 201-528-9187** for a specimen pickup or contact your local account representative or client services if you have any questions.