



# Laboratory Service Manual

**Lab Dept:** Anatomic Pathology

**Test Name:** BCR-abl: PHILADELPHIA CHROMOSOME PCR,  
BONE MARROW

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## **General Information**

**Lab Order Codes:** BRCBM

**Synonyms:** BCR abl Bone Marrow by PCR; Breakpoint Cluster Region (BCR) Analysis;  
BCR/abl t(9;22)

**CPT Codes:** 83891 – Isolation or extraction of highly purified nucleic acid

83898 x2 – Amplification of patient nucleic acid, single primer pair, each primer pair

83902 – Reverse transcription

83908 - Molecular diagnostics; signal amplification of patient nucleic acid, each nucleic sequence

83909 - Molecular diagnostics; separation and identification by high resolution technique

**Test Includes:** PCR testing of bone marrow for BCR. An interpretive report of the findings will be issued.

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## **Logistics**

**Test Indications:** N/A

**Lab Testing Sections:** Anatomic Pathology - Sendouts

**Referred to:** University of Texas MD Anderson Cancer Center

### **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Monday – Thursday

**Turnaround Time:** 15 days



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**Special Instructions:** Specimens must be received at MD Anderson Monday – Friday only. No deliveries will be accepted on weekends or holidays.

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## ***Specimen***

**Specimen Type:** Bone Marrow

**Container:** Lavender top (EDTA) tube

**Draw Volume:** Minimum: 1.0 mL bone marrow

**Processed Volume:** Same as Draw Volume

**Collection:** Routine bone marrow collection

**Note:** It is important that a non-heparinized syringe be used for the initial bone marrow collection. The specimen should then be transferred from the heparinized syringe to a sterile Lavender top (EDTA) tube without using a needle to dispense the sample.

**Special Processing:** Lab Staff: **Do Not** centrifuge. Submit specimen in original collection container. Specimens should be labeled with the patient's full name, date of birth, patient's UTMDA ID number (if registered through UTMDA Outreach department, 1-800-315-8424), date and time of collection, and initials of phlebotomist. Store at room temperature and ship on a cold pack. **Do Not** freeze. Specimens can only be shipped Monday – Thursday. Ship FedEx priority overnight. Specimens will not be accepted on weekends or holidays.

**Patient Preparation:** None

**Sample Rejection:** Frozen specimen, unlabeled or mislabeled specimens

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## ***Interpretive***

**Reference Range:** An interpretive report will be sent.

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Real Time PCR with Nested and Competitive AMP as appropriate.

**Contraindications:** N/A

**References:** University of Texas MD Anderson Cancer Center, January 2007

**Updates:** 1/12/2007: CPT 2007 updates