
Lab Dept: **Anatomic Pathology**

Test Name: **CHROMOSOMES, BONE MARROW**

General Information

Lab Order Codes: CBOM

Synonyms: Bone Marrow Chromosome Analysis

CPT Codes: 88237 - Tissue culture for neoplastic disorders; bone marrow, blood cells
88262-26 - Chromosome analysis; count 15-20 cells, 2 karyotypes, with banding (if appropriate)
88264 - Chromosome analysis; analyze 20-25 cells
88280 - Chromosome analysis; additional karyotypes, each study
88280-26 - Chromosome analysis; additional karyotypes, each study (if appropriate)

Test Includes: Chromosome karyotype

Logistics

Test Indications: Useful for detecting malignant and premalignant hematologic disorders, residual disease, and as a preliminary test for bone marrow transplant.

Lab Testing Section: Anatomic Pathology - Sendouts

Referred to: Fairview-University Diagnostic Laboratories (Test: LAB890)

Phone Numbers: MIN Lab: 612-813-6711

STP Lab: 651-220-6560

Test Availability: Daily, 24 hours

Turnaround Time: Results are reported within 2-21 days

Special Instructions: Request form should include date and time of specimen collection, attending physician, diagnosis (or reason for referral), clinical status, information regarding medication or transfusions, and specimen type.

Specimen

Specimen Type: Bone Marrow aspirate or trephine biopsy

Container:	Bone marrow aspirate: Collect in sterile sodium heparin syringe. Bone marrow biopsy: Collect in sterile specimen cup with tissue culture medium.
Draw Volume:	5 mL (Minimum: 3 mL) aspirate; 1 cm trephine biopsy
Processed Volume:	Same as Draw Volume
Collection:	If aspiration is impossible, a trephine biopsy should be obtained. Collect 5 mL peripheral blood in sodium heparin no gel tube, in addition to the bone marrow in all cases of newly diagnosed Acute Leukemia and Chronic Lymphocytic Leukemia.
Special Processing:	Store at room temperature. Do Not refrigerate or freeze. Ship at room temperature. Must arrive within 24 hours. Specimens must be received in the Cytogenetics Laboratory Mon-Fri by 5:30 pm. Weekends and holidays by 4:30 pm. Specimens received after these cutoffs will be processed the following day.
Patient Preparation:	Physician preference
Sample Rejection:	Clotted bone marrow, incorrect anticoagulant

Interpretive

Reference Range:	46, XX or 46, XY
Methodology:	Chromosome analysis by G-banding
References:	MHealth Fairview Reference Laboratories , September 2023
Updates:	12/7/2015: Order code update CBM to CBOM. 9/5/2023: Updated reference lab test codes, added specimen stability notes, updated methodology, clarified test names and synonyms.