Lab Dept: Anatomic Pathology

Test Name: CHROMOSOME, BLOOD, SEX CHROMOSOME STUDY

**General Information**

Lab Order Codes: SXCRM

Synonyms: CHROMO SEX; Constitutional, Congenital; G-bands

CPT Codes:
- 88230 – Tissue culture for non-neoplastic disorders
- 88263 – Chromosome analysis; count 45 cells for mosaicism, 2 karyotypes, with banding.
- 88291 –

Test Includes: N/A

**Logistics**

Test Indications: As an adjunct to conventional chromosome studies, to resolve unusual or complex structural alterations, questionable mosaicism.

Lab Testing Sections: Anatomic Pathology - Sendouts

Referred to: University of Minnesota Medical Center Fairview Cytogenetics (UM Test Code: LAB4209/BLSXCG)

Phone Numbers:
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

Test Availability: Daily

Turnaround Time: Reports within 28 days

Special Instructions: For optimal testing results the specimen must arrive within 24 hours.

**Specimen**

Specimen Type: Whole blood or cord blood

Container: Green top (Sodium Heparin), no gel, tube

Draw Volume: 5 mL (Minimum: 3 mL) blood
**Processed Volume:** Same as Draw Volume

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: Do Not Centrifuge. Blood specimen should remain in the original collection container. Store and ship at ambient temperature. Must arrive at reference lab within 24 hours of collection.

**Patient Preparation:** None

**Sample Rejection:** Clotted or frozen specimen; mislabeled or unlabeled specimens; incorrect container type

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## Interpretive

**Reference Range:** An interpretive report will be provided

**Critical Values:** N/A

**Limitations:** 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.

**Methodology:** Chromosome analysis by G-banding: Congenital

**References:** [Fairview Diagnostic Laboratories](#) January 2023

**Updates:** 3/13/2023: Updated synonyms, CPT codes, reference lab order codes, minimum volumes, specimen viability/stability, acceptable specimen types and reference laboratory receiving limitations.