
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

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.