
Lab Dept: Anatomic Pathology

Test Name: CHROMOSOME, BLOOD, NEWBORN <21 DAYS

General Information

Lab Order Codes: CROMN

Synonyms: Newborn Chromosome

CPT Codes: 88230 – Tissue culture for non-neoplastic disorders
88264 – Chromosome analysis; analyze 20-25 cells
88291 – Chromosome analysis, interpretation and reporting

Test Includes: N/A

Logistics

Test Indications: N/A

Lab Testing Sections: Anatomic Pathology - Sendouts

Referred to: Fairview University of Minnesota Medical Center – Cytogenetics (UM Test code: LAB4689/BLNBCG)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Verbal results within 48 hours. Written reports within 8 days.

Special Instructions: Special tube required. [See Container](#), contact the laboratory for appropriate tube.

For optimal testing, specimen must arrive at reference lab within 24 hours of collection.

Specimen

Specimen Type: Whole blood or cord blood

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

Draw Volume: 3 mL (Minimum: 1 mL) blood

Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Do not centrifuge. Forward specimen to Send Outs. Store and ship at ambient temperature. For optimal testing, specimen must arrive at reference lab within 24 hours of collection.
Patient Preparation:	None
Sample Rejection:	Improper storage, mislabeled or unlabeled specimen, clotted specimen, incorrect anticoagulant.

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
References:	Fairview University Laboratories April 2023
Updates:	04/13/2023: Updated optimal specimen volume, acceptable specimen type and CPT codes; added reference lab code