
Lab Dept: Anatomic Pathology

Test Name: **COMPARATIVE GENOMIC HYBRIDIZATION (CGH)
WITH LIMITED GBAND STUDY**

General Information

Lab Order Codes: CGLBN

Synonyms: Comparative Genomic Hybridization, Microarray; aCGH with Limited G Band

CPT Codes: 81228 – Cytogenomic constitutional microarray analysis
88230 – Tissue culture for non-neoplastic disorders; lymphocyte
88261 – Chromosome analysis; count 5 cells, 1 karyotype with banding

Test Includes: Microarray with chromosome analysis by G-banding.

Logistics

Test Indications: For detection of small duplications and deletions in patients with normal G-banded karyotypes. For characterization of abnormalities detected by G-banding

Lab Testing Sections: Anatomic Pathology - Sendouts

Referred to: Fairview University Medical Center – Cytogenetics Lab (CGL)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Performed Monday-Friday. Results are reported within 28 days.

Special Instructions: Please see Container and Draw Volume

Specimen

Specimen Type: Whole Blood

Container: Green (sodium heparin, no gel) **AND** Lavender (EDTA) top tubes
Both tubes are required.

Note: A Yellow (ACD) tube can be substituted for the Lavender top tube.

Draw Volume:	20 mL (10 mL per tube) (Minimum: 10 mL [5 mL per tube]) blood Note: 1-3 mL per tube Minimum for infants and children, with 3 mL strongly preferred
Processed Volume:	Same as Draw Volume
Collection:	Routine Venipuncture
Special Processing:	Lab Staff: Do Not Centrifuge. Specimen should remain in the original collection container. Store and ship at room temperature. Order in Atlas for communication to Fairview. Do not freeze or refrigerate. Must arrive within 24 hours of collection.
Patient Preparation:	None
Sample Rejection:	Clotted or frozen sample; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Interpretive report
Critical Values:	N/A
Limitations:	Post-natal studies only.
Methodology:	Microarray with chromosome analysis by G-banding
References:	Fairview Diagnostic Laboratories – Cytogenetics Lab http://labguide.fairview.org/showTest.asp?testid=4208 November 2015