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

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**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