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**Lab Dept:**                   **Anatomic Pathology**

**Test Name:**               **CGH WITH SNP**

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***General Information***

**Lab Order Codes:**       SNPA

**Synonyms:**               CGH with Single Nucleotide Polymorphism Array

**CPT Codes:**             81229 – Cytogenomic constitutional (genome-wide) microarray analysis; interrogation of genomic regions for copy number and single nucleotide polymorphism (SNP) variants for chromosomal abnormalities

88230 – Tissue culture for non-neoplastic disorders; lymphocyte

**Test Includes:**         An interpretive report of findings.

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***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 of Medical Center

**Phone Numbers:**       MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:**     Daily

**Turnaround Time:**     Results within 28 days

**Special Instructions:**   N/A

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***Specimen***

**Specimen Type:**       Whole blood

**Container:**             Green (NaHeparin; no gel) top tube AND Purple (EDTA) top tube  
Note: Both tubes are required.

Alternate: Yellow (ACDA) can be used instead of the EDTA.

<b>Draw Volume:</b>	<b>Optimal volume:</b> 20 mL blood [10 mL blood in Green (NaHeparin) <b>AND</b> 10 mL blood in Purple (EDTA)  <b>Minimum volume:</b> 10 mL blood [5 mL blood in Green (NaHeparin) <b>AND</b> 5 mL blood in Purple (EDTA)  (Note: 1-3 mL in each tube will be accepted for infants and small children)
<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Do Not Centrifuge. Blood specimen should remain in the original collection container. Store and ship at ambient temperature. Avoid freezing.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Clotted or frozen specimen; mislabeled or unlabeled specimens; incorrect container type

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### ***Interpretive***

<b>Reference Range:</b>	An interpretive report will be provided.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Post-natal specimens only
<b>Methodology:</b>	Microarray
<b>References:</b>	Fairview University Medical Center Web Page (April 2018)
<b>Updates:</b>	7/21/2017: CPT update