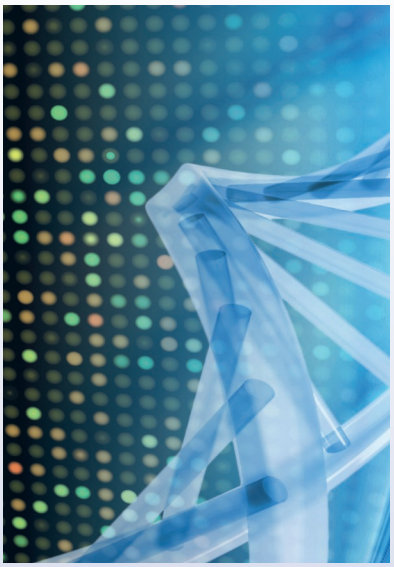
GENETICS CENTER

# GCPostnatal
# 180k Oligo-SNP Array CGH

Genetics Center has been offering the latest in array-based comparative genomic hybridization (CGH) testing for several years. Array CGH is a technology with the ability to detect chromosome abnormalities beyond that of more traditional techniques. Our high-resolution array containing 180,000 oligonucleotide-SNP probes is based on the International Standards for Cytogenomic Arrays Version 2 (ISCA) Consortium (now ICCG) chip design. As there are many abnormal phenotypes that are associated with chromosomal imbalances (subtle gains or losses of genetic material), the identification of specific abnormalities (or copy number variants) is helpful for accurate diagnosis and medical management.

Genetics Center's 180k Oligo-SNP Array CGH testing is the best value in array platforms. We also offer higher capability testing beyond this array platform at our center.



## *Indications For Testing:*

**Postnatal Abnormalities (Pediatric and Adult)**

- The American College of Medical Genetics (ACMG) has recommended the use of array CGH as a first-tier test in the initial postnatal evaluation of an individual with developmental delay/intellectual disability, autism spectrum disorder, or multiple congenital anomalies that are not part of a recognizable syndrome.
- Further clarification can be provided for a chromosome rearrangement or abnormality initially detected by conventional chromosome analysis.

## *Abnormalities Detected By Array CGH Include:*

- Well-known microdeletion and duplication syndromes, such as Williams syndrome, 22q11.2 deletion syndrome, Prader-Willi syndrome, Angelman syndrome, and many others.
- Chromosomal aneuploidies, such as Down syndrome, trisomy 18, and many others.
- Gains or losses at the ends of chromosomes (telomeres).
- Gains or losses in certain genomic regions known to be associated with autism.
- Uniparental disomy (UPD) and Loss of Heterozygosity (LOH)
- Other copy number variation of unclear clinical significance may be also detected via this testing modality.

**For further information regarding specimen requirements, pricing, and turnaround time, please visit www.geneticscenter.com or contact us at:**

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