GENETICS CENTER

GCPrenatal
Prenatal Array CGH

Fast (4 day) Microarray at Traditional Karyotype Pricing

Genetics Center offers the latest in array-based comparative genomic hybridization (CGH) testing in a prenatal setting. With our ability to obtain fetal DNA directly from amniotic fluid or chorionic villi (sample permitting), we are able to offer faster turnaround times. Array CGH is a technology with the ability to detect chromosome abnormalities beyond that of more traditional techniques. Our high-resolution targeted prenatal array (**GC**Prenatal), containing a combination of 60,000 oligonucleotide and SNP probes, is designed to cover 312 specific regions known to be associated with childhood-onset disorders. 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 in the prenatal setting for accurate diagnosis and medical management.

Maternal Cell Contamination testing is also performed on all prenatal microarrays to make sure fetal DNA (not from maternal cells) is being analyzed.

GCPrenatal is the best value in prenatal array platforms. We also offer higher density array testing at our center.

Abnormalities Detected By GCPrenatal Array Include:

- Chromosomal aneuploidies, such as Down syndrome, trisomy 18, and many others.
- Well-known microdeletion and microduplication syndromes, such as Williams syndrome, 22q11.2 deletion syndrome, Prader-Willi syndrome, Angelman syndrome, and many others.
- Loss of Heterozygosity for chromosomes 7, 11, 14, 15, 16 and 20, which could indicate uniparental disomy (UPD).
- Gains or losses at the ends of chromosomes.
- Gains or losses in certain genomic regions known to be associated with childhood-onset disorders.

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

GENETICS CENTER
211 South Main Street, Orange, California 92868
TEL: (714) 288-3500 & (888) 4-GENETIC
FAX: (714) 288-3510