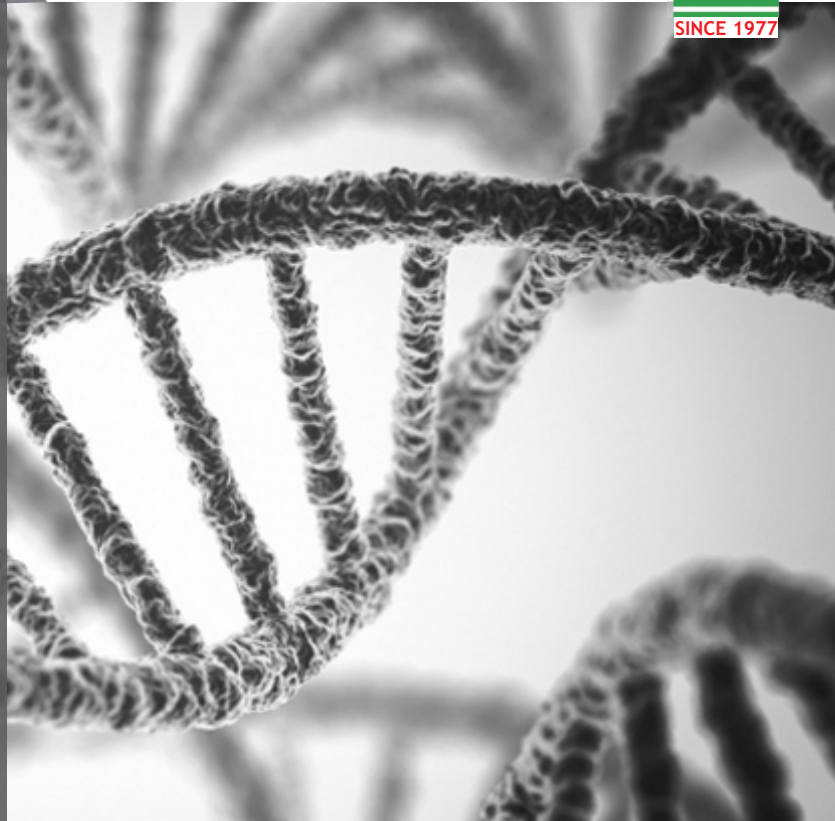


Feel free to call us : 1800 425 1316

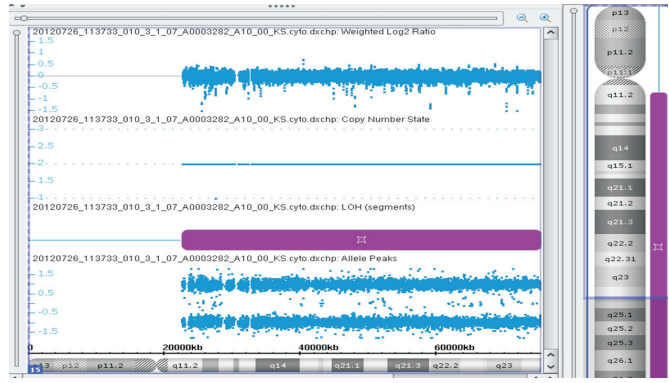
Karyotype and FISH  
**are not enough!**

**CYTOSCAN  
ASSAY**

**Results matter**



Most of the miscarriages and congenital anomalies are caused by chromosomal abnormalities including aneuploidies, triploidy, uniparental disomy (UPD), etc. Traditional cytogenetic techniques such as karyotyping and FISH are limited by cell culture failure, maternal contamination, usually lack the appropriate sensitivity and increasing the turn-around time for the results. CytoScan Chromosome Microarray (CMA) analysis is a FDA approved highly controlled & validated assay protocol run on completely regulated diagnostic (Dx) system, thus avoiding plagiarism. The assay set-up applied with high density array chips, enable to perform high-resolution genome-wide DNA copy number analysis. Besides non-polymorphic markers, inclusion of SNP markers targeting whole genome provides genotyping information, enabling detection of LOH, which can also be used to detect UPDs. The combined high resolution DNA copy number data and the ability to detect gains, losses, and UPDs on a single array makes this analysis a great tool for next generation cytogenetics studies.



CytoScan Assay is the first FDA-cleared whole-genome diagnostic test to aid physicians in identifying the underlying genetic cause of developmental delay, intellectual disability, congenital anomalies, or dysmorphic features in children.

First of-its-kind diagnostic test 1

Analyze the patient's entire genome with one go 2

Exceptional performance 3

Dual probe content with high-density SNPs 4

Streamlined data analysis 5

**Highlights**

**3% - 7%**  
ID Prevalence

**1 in 33 Babies**  
Born with  
Congenital anomalies

**Interesting Facts**

**Average age**  
**4 yrs**

**Diagnosis by**  
**FIRST**  
line Genetic Test

Test Name : CYTOSCAN

Test Code : 90312

Methodology : Microarray

Specimen : Blood/ Tissue (Fresh or Frozen)

Volume : 20 µl genomic DNA (>50 ng/µl CONC)

**Test Details**

VERSION 1.0 -----26/10/2015