Know your Genetic Profile

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MICROBES SINCE 1977

Prenatal Aneuploidy

Rapid Screening for Chromosomal Aneuploidies

Chromosomal abnormality is found in about half of irst-trimester abortions. Karyotype is the gold standard to detect Chromosomal Abnormalities. **Multiplex Ligation-dependent Probe Amplification** (MLPA) offers advantage over karyotype in terms of lower failure rate, faster turnaround time, and much higher resolution than conventional karyotyping and found to be 98% concordant with conventional karyotype.

Test Details

Test Name :	Aneuploidy
Test Code :	16002
Sample :	POC/ Amniotic Fluid/ CVS
Methodolgy :	MLPA
Report On :	4 Days

Detectable Aneuploidies with Frequency

Patau Syndrome (47, XY, +13)	1 in 5000 live-born infants	Down Syndrome	1 in 2500 newborn GIRLS	Triple X Syndrome	1 in 500 newborn BOYS	Triploidy Syndrome	1 in 1000 MALE Births
1 in 10000 live-born infants	Edward Syndrome	1 in 800 new borns	Turner Syndrome	1 in 1000 newborn GIRLS	Klinfelter Syndrome	1 in 1000 newborn BOYS	XYY Syndrome

Detailed Detection

Detection of aberrant copy number of 50 genomic DNA/RNA sequences in a single, PCR-based reaction.

Accurate Region

MLPA determine the methylation status of imprinted and promotor regions and also detect known point mutations and SNP's

Also Used on Degraded DNA

MLPA can also used on partially degraded DNA, such as DNA extracted from paraffin imbedded, formalin treated tissues.