CHROMOSOMAL MICROARRAY ANALYSIS
What is POC Assessment Test?
POC (Product of conception) refers to placental or fetal tissue that remains in the uterus post spontaneous pregnancy loss, termination or preterm birth.
POC Assessment Test looks for chromosomal abnormalities that may cause pregnancy loss or defects in the fetus.

Chromosomal Microarray Analysis?
- CMA is a technique that identifies chromosomal abnormalities, including submicroscopic abnormalities
- Well suited for detection of interstitial duplications, subtelomeric deletions/duplications and small copy number variations- pathogenic, resulting in physical or intellectual consequences which cannot be detected by FISH

INDICATIONS FOR POC ASSESSMENT TEST

- Family history of genetic abnormalities
- Miscarriage and Spontaneous abortion
- Still birth
Why choose Greenarray?
• Greenarray provides superior genome wide coverage as well as Specialized Interpretation of microarray results

How does the test work?
• Genomic DNA from the test sample and a control sample are differentially labeled with fluorescent dyes and hybridized to the oligos
• Results are analyzed using quantitative imaging methods and analytical software to assist in identifying each targeted-DNA sequence as loss or gain of copy number or normal chromosome

Limitations of the test?
• Cannot detect balanced chromosomal rearrangements which do not result in deletions or duplications
• cannot detect individual gene changes and regions with no probe coverage
• cannot identify uniparental heterodisomy or small region of absence of heterozygosity

References:
• Array-based technology and recommendations for utilization in medical genetics practice for detection of chromosomal abnormalities Melanie Manning, Genetics in Medicine
About Greenarray:
Green Array is a molecular diagnostic company. We offers diagnosis of infectious diseases, genetic testing and healthcare information to improve health and wellness. Our goal is to provide high quality affordable and accessible services.
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