|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Maternal Serum Screening* | Sequential | | Serum Integrated | | Quad |
| **Gestational Age**  ***(may vary by lab)*** | 1st draw  9w0d – 13w6d | 2nd draw  15w0d –21w6d | 1st draw  9w0d – 13w6d | 2nd draw  15w0d –21w6d | 15w0d –21w6d |
| **Timing of Results** | 2-4 days | 2-4 days | - | 2-4 days | 2-4 days |
| **Maternal Serum Analytes** | PAPP-A  bHCG | AFP  hCG  uE3  DIA | PAPP-A | AFP  hCG  uE3  DIA | AFP  hCG  uE3  DIA |
| **Nuchal Translucency (NT) Required** |  | | x | | x |
| **Detection Rates** |  | |  | |  |
| **Down Syndrome** | 91-95% | | 87-88% | | 75-83% |
| **Trisomy 18** | 91-96% | | 82% | | 60-70% |
| **Trisomy 13** | ~72% (NT alone) | | x | | x |
| **Open Neural Tube Defects (ONTD)** | 80% | | 80% | | 80% |
| **Sex Chromosome Aneuploidy (Turner, XXY, etc)** | x | | x | | x |
| **Twins** |  | |  | |  |
| **Vanishing Twin** | Wait at least 4 weeks after the demise occurred before ordering test. | | Wait at least 4 weeks after the demise occurred before ordering test. | | Wait at least 2 weeks after the demise occurred before ordering test. |
| **False Positive Rate** | 3-5% | | 3-5% | | 3-5% |