

S.No	Test Name	Gene list	Specimen Type	Methodology	TAT
1	Aneuploidy by QF PCR [with MCC]		DIRECT DNA,Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Amniotic fluid (AF)	Fragment Analysis (FA)	5 days
2	FISH for Common Aneuploidies - (5 probes-13,18,21,sex chromosomes)		Amniotic fluid (AF)	Fluorescence in situ hybridization (FISH)	3 days
3	Recurrent pregnancy loss genetic risk assessment panel	HLA-B,IFNL3,RYR1,CYP2B6,CACNA1S,G6PD,CYP4F2,SLCO1B1,UGT1A1,CYP2D6,CYP2C19,HLA-A,VKORC1,NUDT15,CFTR,ABCG2,DPYD,CYP3A5,TPMT,CYP2C9	DIRECT DNA,Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	12 days
4	Whole Exome Sequencing (80-100x)		Fetal DNA,Chorionic Villus Sample (CVS),Placenta,DIRECT DNA,Amniotic fluid (AF),Product of conception (POC),Cord blood in EDTA (Purple Top),Skin Tissue,Peripheral Blood in EDTA (Purple Top),DNA (POC),Cord Tissue / Umbilical Cord		19 days
5	KaryoSeq [Low Pass Whole Genome Sequencing based Chromosomal Abnormality Detection] for Prenatal Specimens		Fetal DNA,DIRECT DNA,Product of conception (POC),Peripheral Blood in EDTA (Purple Top),Chorionic Villus Sample (CVS),Cultured Cells,Amniotic fluid (AF)	Next Generation Sequencing (NGS)	10 days
6	karyotyping		Peripheral Blood in Heparin (Green Top)	Karyotyping	15 days
7	Claria-NIPT		Maternal Blood Only	Noninvasive prenatal testing (NIPT) - NGS	7 days
8	Claria-NIPT Advanced		Maternal Blood Only	Noninvasive prenatal testing (NIPT) - NGS	7 days
9	Amniotic fluid Karyotyping		Amniotic fluid (AF)	Karyotyping	15 days

10	Chromosomal Microarray - low resolution		Cord Tissue / Umbilical Cord, Amniotic fluid (AF), Cord blood in EDTA (Purple Top), DIRECT DNA, Product of conception (POC), Peripheral Blood in EDTA (Purple Top), Chorionic Villus Sample (CVS)	Chromosomal Microarray (CMA)	10 days
11	Carrier screening - Platinum (Single Partner) [2000 recessive genes included in clinical exome]		DIRECT DNA, Peripheral Blood in EDTA (Purple Top)	Next Generation Sequencing (NGS)	21 days