	Quad Screening	Serum Integrated Prenatal Screen (SIPS)	Chorionic Villus Sampling (CVS)	Amniocentesis	Integrated Prenatal Screen (IPS)	First Trimester Screen (FTS)
Who is eligible?	All women	All women	Age over 40	-Age over 40 -Age over 32 + twins -Previous child with Down Syndrome or Trisomy 13 or 18	-Age over 40 -Previous child with Down Syndrome or Trisomy 13 or 18 -Age over 35 + 3 previous miscarriages -HIV positive	Willing to pay privately ($500) Done at PCRM clinic in Burnaby, Genesis clinic in Vancouver
Kind of test	One blood test from mother	Two blood tests from mother	Sample of cells from placenta (taken via the vagina or abdomen)	Sample of cells in amniotic fluid (taken via a needle through the abdomen)	Two blood tests from mother plus measurements of fetus via ultrasound	One blood test from mother plus measurements of fetus via ultrasound
When	Between 15 and 20^{+6} wks	Part 1: 10 to 13^{+6} weeks Part 2: 15 to 20^{+6} weeks	10^{+3} to 12^{+6} weeks	>15 weeks	Part 1: 10 to 13^{+6} weeks, Ultrasound: 11 to 14 weeks, Part 2: 15 to 20^{+6} weeks	Blood test: 11 to 13^{+6} weeks Ultrasound 12 to 14 weeks
Screens for	Chromosomal abnormalities (Down Syndrome and others), Spina Bifida	Chromosomal abnormalities (Down Syndrome and others), Spina Bifida	Chromosomal abnormalities (Down Syndrome and others) via placental sample, Spina Bifida via blood sample at	Chromosomal abnormalities (Down Syndrome and others), Spina Bifida	Chromosomal abnormalities (Down Syndrome and others), Spina Bifida	Chromosomal abnormalities (Down Syndrome and others)
Quality of results	Screening	Screening	Diagnostic	Diagnostic	Screening	Screening
Results by	10-14 days after test, usually by 17 weeks	10-14 days after Part 2 complete, usually by 17 weeks	2-3 weeks after test, usually by 14 weeks	2-3 weeks after test, usually by 18 weeks	10-14 days after Part 2 complete, usually by 17 weeks	Same day as u/s, usually by 12 weeks
Detection rate for Down Syndrome	91% (if >35 years) 75% (if <35 years)	92% (if >35 years) 78% (if <35 years)	98-99%	99.4%	92% (if >35 years) 83% (if <35 years)	90-95%
Chance screen will be positive (98% of these will be false positives)	18% (if >35 years) 5.6% (if <35 years)	10% (if >35 years) 3.3% (if <35 years)	1%	0.1%	5% (if >35 years) 1.4% (if <35 years)	4-5%
False negative rate	≈0.1%	~0.1%	≈0.01%	≈0.0001-0.001%	≈0.1%	5-10%
Risk of pregnancy loss	None	None	1-2/100 (1-2%)	1-2/200 (0.5-1%)	None	None
Options if positive	Ultrasound to confirm EDD Genetic counseling Amniocentesis Nothing	Genetic counseling Amniocentesis Nothing	Genetic counseling Amniocentesis Nothing	Genetic counseling Termination Nothing	Genetic counseling Amniocentesis Nothing	Genetic counseling Amniocentesis CVS Nothing
Advantages	Non-invasive More accurate than age alone	Non-invasive Higher detection rates & lower false positives than TMS	Early Detection	Diagnostic = no chance of false positive or false negative	Non-invasive Best detection with lowest chance of false positives	Early detection
Disadvantages	Chance of false positive	Chance of false positive	Risk of pregnancy loss Chance of false positive	Risk of pregnancy loss Chance of false positive	Chance of false positive	Chance of false positive