

ARUP First and Second Trimester Screening Options

	First Trimester Only	Serum Integrated (without NT)	Full Integrated (with NT)	Sequential Screen	Quad
Sample(s) collected	first trimester	first trimester and second trimester	first trimester and second trimester	first trimester and second trimester	Second trimester
First-trimester measurements	U/S: CRL, NT Blood: PAPP-A, total hCG	U/S: CRL (optional) Blood: PAPP-A	U/S: CRL, NT Blood: PAPP-A	U/S: CRL, NT Blood: PAPP-A, hCG	N/A
Gestational age	Blood: 43 - 83.9 mm (11w0d–13w6d) NT: 38–83.9 mm (10w3d–13w6d)	32.4–83.9 mm (10w0d–13w6d) by US or LMP	Blood: 32.4 - 83.9 mm (10w0d–13w6d) NT: 38–83.9 mm (10w3d–13w6d)	Blood: 43–83.9 mm (11w0d–13w6d) NT: 38–83.9 mm (10w3d–13w6d)	N/A
Second-trimester measurements	N/A	AFP, hCG, uE3, DIA	AFP, hCG, uE3, DIA	AFP, hCG, uE3, DIA	AFP, hCG, uE3, DIA
Gestational age	N/A	14w0d–24w6d (by previous CRL or LMP)	14w0d–24w6d (by previous CRL)	14w0d–24w6d (by previous CRL)	14w0d–24w6d
Down syndrome					
Detection rate	85%	85%	87%	86% (63%—first draw; 23%—second draw)	81%
False-positive rate	6%	3-4%	1%	1.6% (0.6%—first draw; 1%—second draw)	4–5%
Trisomy 18					
Detection rate	~80%	90%	90%	90%	~80%
False-positive rate	<1%	0.01%	0.01%	0.01%	<0.5%
Open NTD					
Detection rate	N/A	80%	80%	80%	80%
False-positive rate	N/A	1–2%	1–2%	1–2%	1–2%
Results reported	First trimester	Second trimester	Second trimester	Both first and second trimesters	Second trimester

