

	Harmony (USA) <sup>1</sup> Ariosa Diagnostics	MaterniT21 (USA) <sup>2</sup> Sequenom	verifi (USA) <sup>3</sup> Verinata	Panorama (USA) <sup>4</sup> Natera	BGI (China) <sup>5</sup>	Lifecodexx (Germany) <sup>6</sup>
Blinded validation studies	✓	✓	✓	✗	✗	✗
Studies validating use in 1st trimester and general screening population	✓	✗	✗	✗	✗	✗
Fetal fraction measured, reported and incorporated	✓	✗	✗	✓	✗	✗
Sensitivity for trisomies (T21, T18, T13)*	99%	99%	99%	Insufficient data**	Insufficient data**	Insufficient data**
False Positive Rate (T21, T18, T13)	0.15%	1.5%	2.1%	Insufficient data**	Insufficient data**	Insufficient data**
Test success rate of eligible samples	>99%	>99%	>99%	95%	>99%	Unknown
Twin samples accepted	✓	✓	✓	✗	✗	✗
All IVF accepted	✓	✓	✓	✗	✓	✓
Sex chromosome aneuploidies reported	All	All	All	Only Monosomy X	All	All
Turnaround time (business days)	5 to 7	5 to 7	5 to 7	10	14	5 to 7

\* Estimate based on an average-risk population with prevalence for T21, T18, and T13 of 1 in 700, 1 in 5000, and 1 in 16000 respectively.

\*\* As of the date of printing, validation studies for these tests were not published or involved less than 10 patients.

1. Harmony references: Norton M.E., et al. *Am J Obstet Gynecol.* (2012) 207:137.e1–137.e18; Nicolaides K.H., et al. *Am J Obstet Gynecol.* (2012) 207:374.e1-6.; Ashoor G., et al. *Ultrasound Obstet Gynecol.* (2013) Jan;41(1):21-5.

2. MaterniT21 references: Palomaki G.E., et al. *Genet Med* (2011), Nov; 13(11):913–20; Palomaki G.E., et al. *Genet Med* (2012) Mar;14(3):296-305.

3. verifi references: Bianchi D.W., et al. *Obstet Gynecol* (2012), May;119(5):890-901; Futch, T, et al. *Prenatal Diagnosis* (2013), Jun;33(6):569-74.

4. Panorama references: Nicolaides, et al. *Prenat Diagn* (2013), 33, 1-5. NSGC 2013 Platform presentation, Savage.

5. NIFTY references: Dan S., et al. *Prenat Diagn* (2012) 32, 1-8.;Tze K.L., et al., *J Matern Fetal Neonatal Med* (2012); Early Online: 1–5.; Tze Kin Lau, et al. *J Matern Fetal Neonatal Med.* (2012) October; 25(10): 1856–1859.

6. Prenatest references: Stumm M., et al. *Prenat Diagn* (2012) Jun;32(6):569-77. Hofmann W., et al. Data reported at the 17th International Conference on Prenatal Diagnosis and Therapy, June 2-5, 2013, Lisbon.