GENE SOLUTIONS

triSure

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The Next Standard in Comprehensive Maternal–Fetal Health

for all pregnancies





One blood draw, 4 screening scopes

Redefining First-Trimester Screening

01.	NIPT for aneuploidies and microdeletions for fetus	27 chromosome aneuploidies + 05 common CNVs
02.	NIPT for dominant monogenic disorders for fetus	The 25 most common dominant monogenic disorders
03.	Integrated Carrier Screening for recessive diseases for mother	The 18 most common recessive conditions for pregnant women
04.	Gestational Diabetes prediction	Advancing early detection and prevention of Gestational Diabetes in 1st trimester

Accuracy & Reliability

Size-based + count-based algorithms to relatively distinguish between maternal and fetal DNA

Additional machine learning algorithm for **accurate results when fetal fraction < 4%**, reducing rerun and resampling rate

Large-scale clinical validation and real-world evidences of 2 million NIPT and carrier tests

Global scale. Proven quality. Trusted partnerships.

14	10+	CAP-Accredited	15	4,500+
NGS labs	Markets	Quality	Publications	Clinical partnerships

For more information or to request a brochure, please contact us:
Contact Us | Gene Solutions Singapore
info@genesolutions.com

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TriSure Commercial Packages***

Flexible packages ranging from basic to comprehensive

		triSure Basic	triSure	triSure Premium	triSure Procare
NIPT for aneuploidies and microdeletions for fetus	Trisomy 21, 18, 13	✓	✓	✓	✓
	Turner syndrome (XO)	✓	✓	✓	✓
	Triple X syndrome (XXX)	✓	✓	✓	✓
	Klinefelter syndrome (XXY, XXXY)	✓	✓	✓	✓
	Jacobs syndrome (XYY)	✓	✓	✓	✓
	Other autosomal aneuploidies (1-12, 12-17, 19-20, 22)	✓	✓	✓	✓
	Microdeletion syndromes (Di George syndrome, Angelman Syndrome, Prader-Willi Syndrome, Cri-du-Chat, Syndrome 1p36 Deletion)			✓	✓
NIPT for dominant monogenic disorders for fetus	25 dominant single genedisorders (*)				✓
Integrated Carrier Screening for recessive diseases for mother	Alpha and beta thalassemia – carrier screening for mother		✓		✓
	16 additional recessive single-gene disorders – carrier screening for mother(**)		✓		✓
Gestational Diabetes	Gestational Diabetes Mellitus (GDM)		✓		✓

(*) The screening panel includes: Noonan syndrome, LEOPARD syndrome, Cardiofaciocutaneous syndrome, Juvenile myelomonocytic leukemia (JMML), Epileptic encephalopathy, Osteogenesis imperfecta (type I–IV), Ehlers-Danlos syndrome (type VII B), Apert syndrome, Crouzon syndrome, Jackson-Weiss syndrome, Pfeiffer syndrome (type 1–3), Antley-Bixler syndrome, Lacrimo-auriculo-dento-digital (LADD) syndrome, CHARGE syndrome, Achondroplasia, Hypochondroplasia, Thanatophoric dysplasia (type I & II), CATSHL syndrome, Costello syndrome, Alagille syndrome, Cornelia de Lange syndrome, Rett syndrome, Sotos syndrome, Tuberous sclerosis, and Intellectual disability.

(**) The screening panel includes: Citrin Deficiency; G6PG Deficiency; 5-alpha-reductase 2 deficiency; Glycogen storage disease, type II (Pompe disease); Pendred syndrome; Primary carnitine deficiency; Phenylketonuria; Niemann–Pick disease; Cystic fibrosis; Charcot-Marie-Tooth disease, axonal, type 2S; Wilson disease; Autosomal recessive polycystic kidney disease; Galactosemia; Hemophila A; Adrenoleukodystrophy; Ornithine transcarbamylase deficiency.

(***) Package names and test scopes may vary depending on the country.