












OUR UNIVERSAL APPROACH TO EXPANDED CARRIER SCREENING USING WHOLE EXOME SEQUENCING



All our CGT tests are supported by in-house genetic counselling

	CGT Bank	CGT Plus	CGT Exome	CGT SYNC
Methodology	WHOLE EXOME SEQUENCING (WES)			
Type of panel	Exclusive Panel for Gamete Donors  	Expanded Panel	Premium Expanded Panel	When a donor/partner is a known carrier
 Genes	M: 7 genes F: 72 genes (include 65 X-linked)	M: 470 genes F: 535 genes (include 65 X-linked)	M: 1,979 genes F: 2,054 genes (include 65 X-linked)	Customised (F: option to include 65 X-linked)
 Disease causing variants	~3,800	~20,000	>50,000	—
 Numbers of diseases	Up to 75	Up to 570	More than 2,200	—
 Estimated carrier rate (%)*	~11%	~55%	~67%	—
 Estimated mean of variants/individual**	1	1.7	2.7	—
 Mean depth	150X	150X	150X	150X
 Complementary tests	M/F: CYP21A2, HBA1/2, SMN1 F only: DMD, FMR1, F8	M/F: CYP21A2, HBA1/2, SMN1 F only: DMD, FMR1, F8	M/F: CYP21A2, HBA1/2, SMN1 F only: DMD, FMR1, F8	***M/F: CYP21A2, HBA1/2, SMN1 ***F only: DMD, FMR1, F8
 Sample	Blood	Blood	Blood	Blood
 TAT	25 working days	25 working days	25 working days	25 working days

* In-house database of 30,000 tests

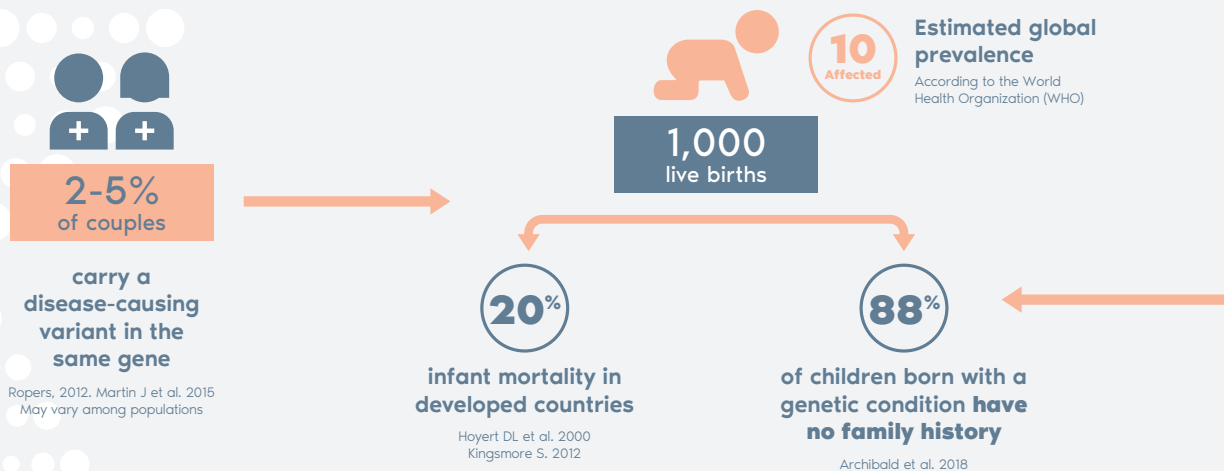
M: Male; F: Female

** Estimated mean of positive individuals

*** If included in customised test

CGT is an advanced genetic test that determines the chance of having a child affected with a genetic condition.

CGT helps individuals and couples make informed reproductive decisions.



The American College of Obstetricians and Gynecologists (ACOG) makes the following recommendations:



Information about genetic carrier screening should be provided to every pregnant woman.

ACOG Committee Opinion. March

SOME COMMON MONOGENIC CONDITIONS DETECTED WITH CGT ARE:	APPROXIMATE CARRIER FREQUENCY
Cystic fibrosis	1 in 25
Spinal muscular atrophy	1 in 50
Autosomal recessive polycystic kidney disease	1 in 70

