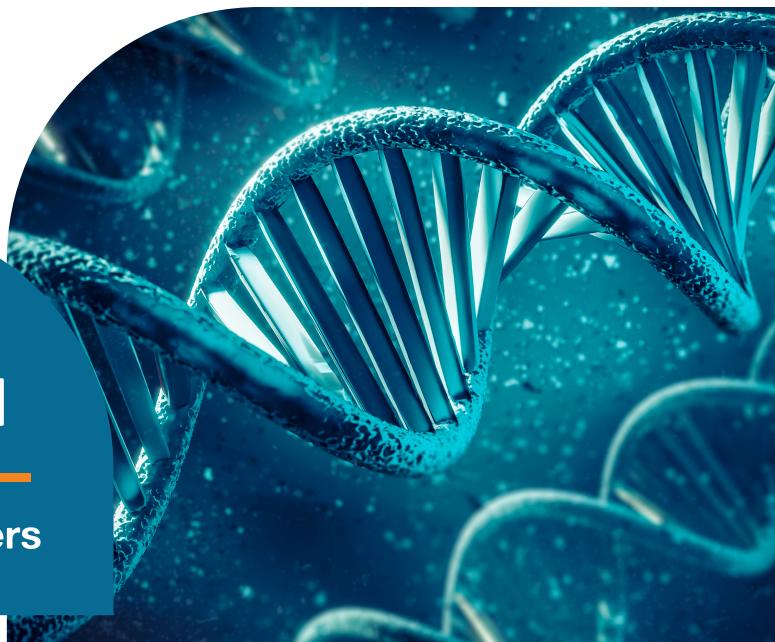


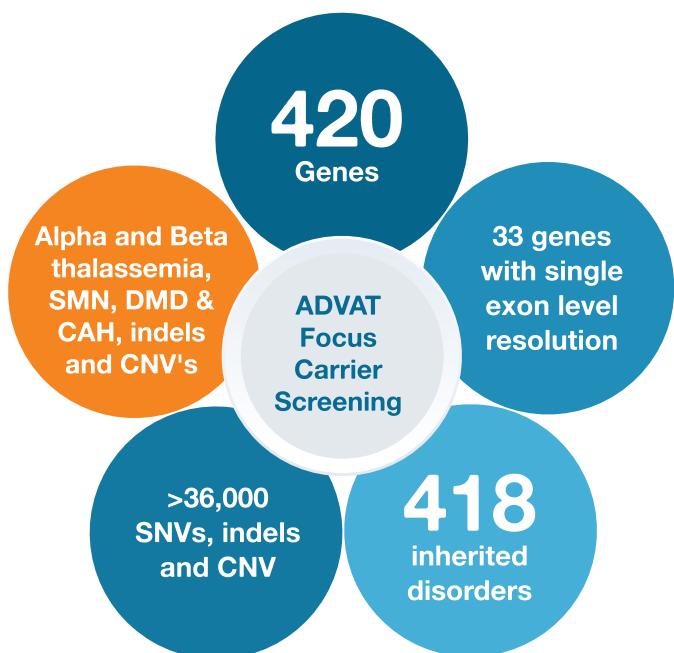
ADVAT Focus Carrier Screening Panel

One Affordable test for Multiple disorders

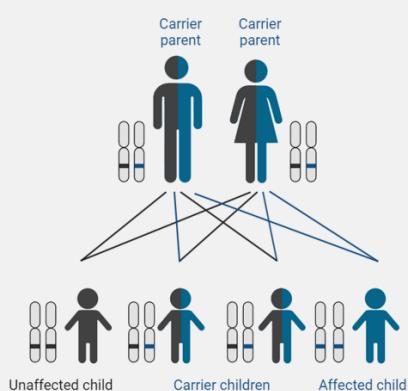


ADVAT FOCUS CARRIER SCREENING

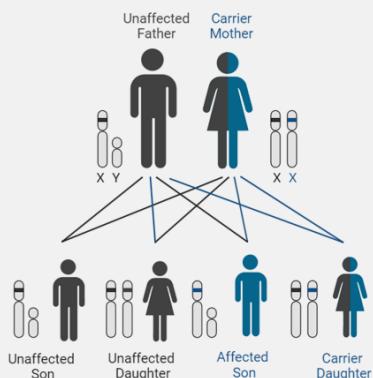
ADVAT Focus Carrier Screening examines healthy individuals to assess their likelihood of carrying autosomal recessive (AR) and X-linked (XL) genetic conditions, which could influence decisions regarding reproductive planning, concerning conditions manifesting in infancy or early childhood.



Autosomal Recessive Inheritance Pattern



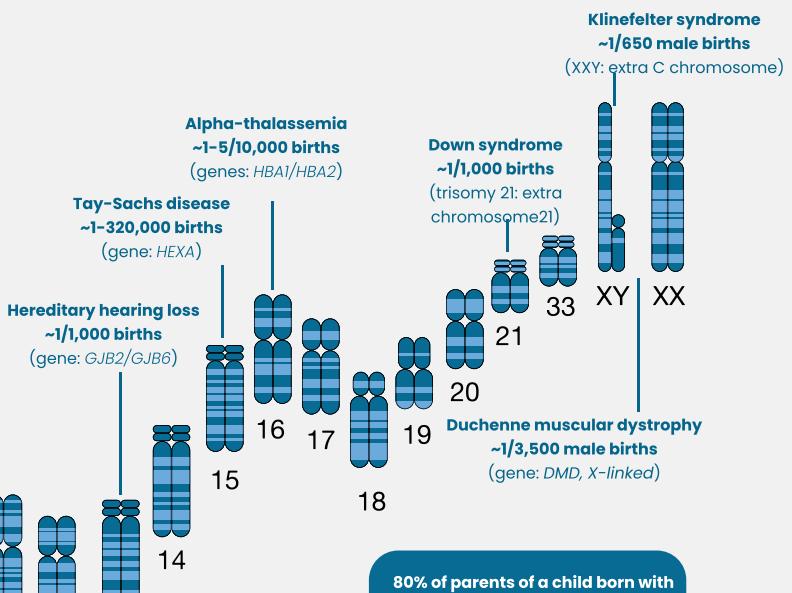
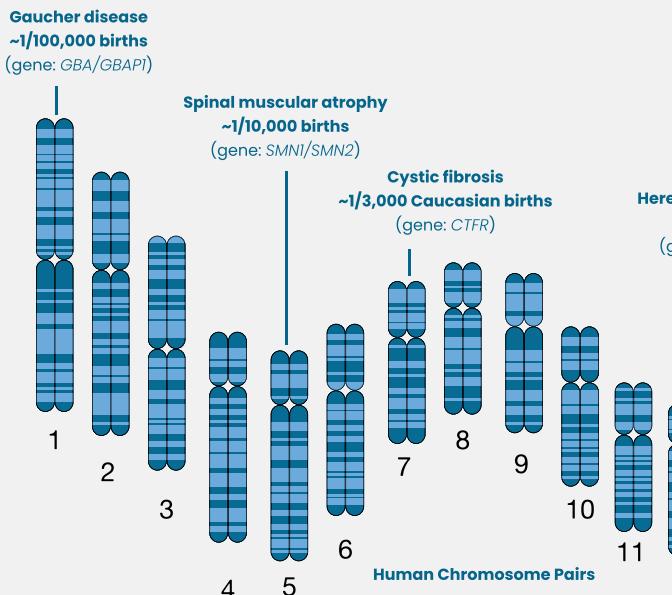
X - Linked Recessive Inheritance Pattern



- 100% analytical sensitivity
- 99.50% analytical specificity for SNVs and indels
- 99.46% CNV accuracy
- Genetic diseases play ~30% of all postnatal infant mortality in developed countries
- Limited carrier screening can miss 70% of carriers

~30% of all postnatal infant mortality in developed countries is due to genetic disease

Limited genetic screening can miss 70% of carriers



80% of parents of a child born with a recessive genetic disorder are not aware of a family history of that condition

Gao Z, et al. An estimate of the average number of recessive lethal mutations carried by humans. Genetics. 2015 Apr;199(4):1243-54.

GENES AND DISORDERS

Disorders	No of genes
Metabolic Disorders	89 genes
Neurological Disorders	164 genes
Hematological Disorders	15 genes
Endocrine Disorders	38 genes
Immunological Disorders	10 genes
Connective tissue Disorders	13 genes
Ophthalmic Disorders	18 genes

WHEN TO GET ADVAT FOCUS CARRIER SCREENING DONE ?

- Before start of an IVF cycle
- Before a Preimplantation Genetic testing cycle
- Preconceptional
- Screening the donors
- Family history of known inherited disorder

WHY ADVAT FOCUS CARRIER SCREENING TEST ?

ADVANTAGES

- Screen multiple genetic disorders using single test
- Accurate SNV and CNV calling in genes that are difficult to analyze due to high sequence homology or gene conversion events.
- Faster turn-around time
- Minimize time and cost
- 80% of babies born with inherited genetic diseases have no known family history
- Facilitates reducing the risk of passing genetic disorders to future generations
- Provides Pan-ethnic screening
- Screen carriers of Duchenne muscular dystrophy and Spinal muscular atrophy

