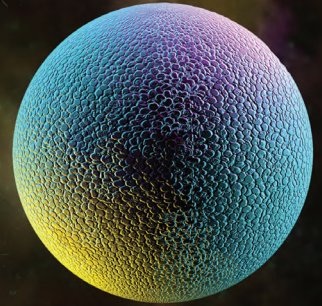


# PGT-M

## Preimplantation Genetic Testing – Monogenic disorders



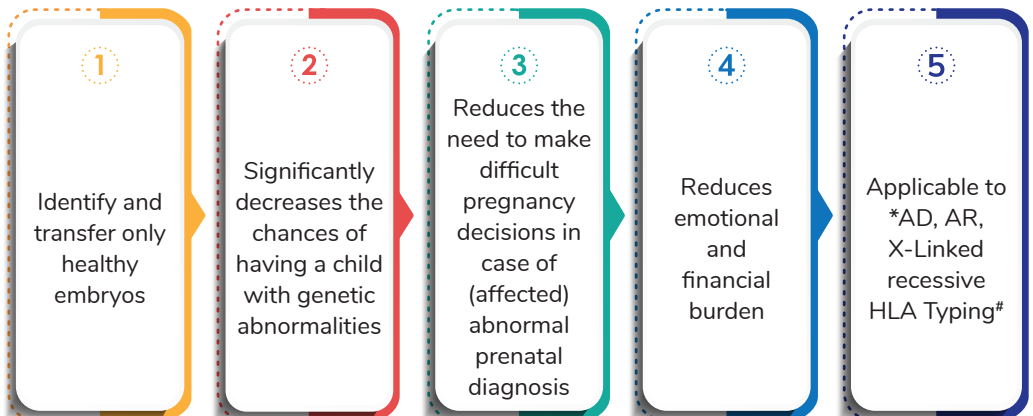
### What is Preimplantation Genetic Testing (PGT)?

PGT is a type of genetic testing that is performed on embryos created through in vitro fertilization (IVF) to prioritize transfer of embryos.

### What is Preimplantation Genetic Testing – Monogenic disorders (PGT-M)?

PGT-M is a genetic testing platform designed to identify known genetic abnormalities in embryos. This test is recommended for the couple who have the risk of passing the genetic condition to the offspring (Beta Thalassaemia, \*SMA, PKD etc).

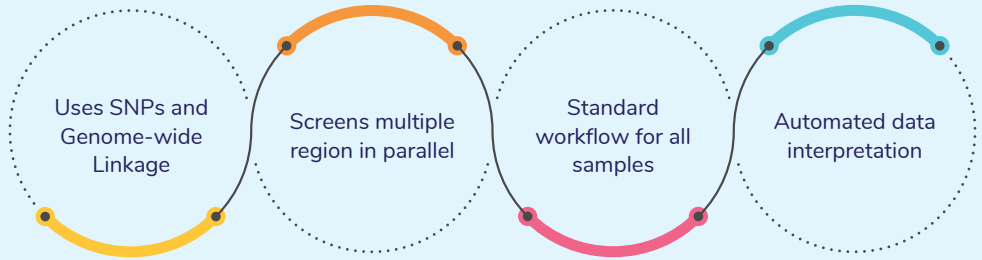
### Benefits



\*SMA - Spinal Muscular Atrophy, PKD - Polycystic Kidney Disease, AD - Autosomal Dominant  
AR - Autosomal Recessive, HLA - Human Leukocyte Antigen

<sup>#</sup>Discuss for Lab requirements

# Efficient Array Based PGT-M Testing



## How is Array based testing done?



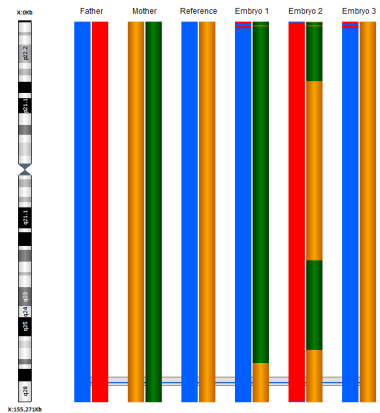
Prospective parents should gain a comprehensive understanding of testing process & its implications on consultation with clinicians & lab genetic counselors.



Embryos produced through IVF are tested for the informative SNP associated with the gene of interest using day 5 embryo biopsies.



Haplo block patterns created by SNP array-based testing helps in prioritizing embryos for transfer.



In this example, PGT-M Interpretation of embryo biopsies is based on haplotype pattern identified, which is derived based on mode of inheritance, disease status of the couple and reference samples.

Image only for representation purpose

## Pre PGT work up

- Performed on couple + reference sample (affected or unaffected child or grandparents) samples: TAT 21 working days.
- Pre-PGT and day 5 trophoctoderm biopsy samples can be sent together
- PGT- A is included in this test



### Genetic Counseling

FREE pre & post test genetic counseling available with our experts for your patients

\*Contact team: [pgsgpd@medgenome.com](mailto:pgsgpd@medgenome.com)