

Preimplantation Genetic Testing (PGT)



Transforming Family Future through
Science. **Every Embryo. Every Care.**

Gene Care Diagnostics And Research Centre

Gene Care is pioneer in Genetic Diagnostics in Gujarat, established in 2011, offering advanced testing across. With a strong focus on IVF genetics, Gene Care delivers high-accuracy, rapid, and clinically actionable PGT solutions tailored for Indian IVF practice.

Our Core Strengths

- **Advanced NGS-based testing**
- **Experienced clinical genetics team**
- **Personalized case-based approach**
- **Fast turnaround time**
- **Affordable pricing model for Indian patients**

What is Preimplantation Genetic Testing (PGT)?

Preimplantation Genetic Testing (PGT) is an advanced genetic test performed on embryos during IVF to identify:

- Chromosomal abnormalities
- Single gene disorders
- Structural rearrangements

This allows selection of genetically healthy embryos, improving:

- Implantation rates
- Pregnancy outcomes
- Live birth success

Why PGT

- **Enables transfer of genetically normal embryos**
- **Reduces risk of genetic disorders**
- **Improves IVF success rates**
- **Supports confident clinical decision-making**

Types of PGT

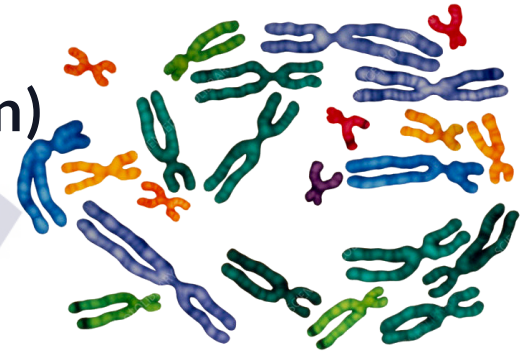
PGT-A (Aneuploidy Screening)

Detects:

- Gain or loss of chromosomes (Trisomy, Monosomy)
- Mosaicism (advanced detection)

Clinical Benefit:

- Higher implantation rates
- Reduced miscarriage
- Faster time to pregnancy



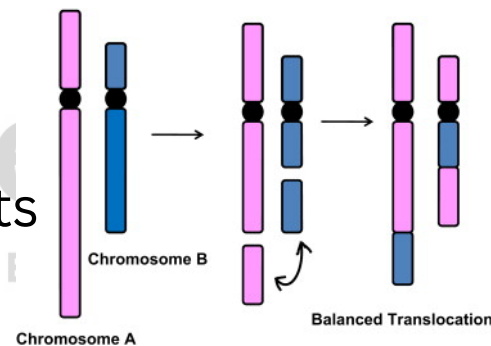
PGT-SR (Structural Rearrangements)

Indicated for:

- Translocations
- Inversions
- Complex chromosomal rearrangements

Benefit:

- Prevents transfer of unbalanced embryos
- Reduces recurrent pregnancy loss
- Improves chances of healthy live birth



PGT-M (Monogenic Disorders)

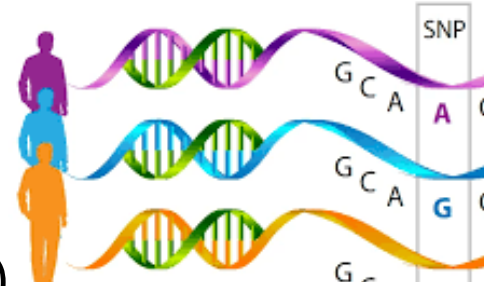
- Autosomal dominant disorders
- Autosomal recessive disorders
- X-linked disorders

Examples include:

- Thalassemia
- Spinal Muscular Atrophy (SMA)
- Cystic fibrosis
- Rare inherited syndromes

Key Advantage:

Family-specific assay design ensuring high accuracy.



Gene Care PGT-PLUS (Advanced Testing)

A next-generation enhancement over standard PGT-A

By integrating advanced SNP analysis with high-resolution CNV detection and leveraging the power of artificial intelligence, EmbryoSure represents a premium evolution of PGT-A—delivering superior accuracy, deeper insights, and enhanced clinical reliability. It enables precise detection of polyploidies, identification of maternal cell contamination, and robust embryo fingerprinting for sibling verification.

PGT M - HLA

Combine the power of PGT-M with HLA matching for treatment of affected siblings affected sibling in need of a hematopoietic stem cell transplantation (HSCT)

Non invasive PGT A

Non invasive cell free DNA analysis in the blastocyst culture medium samples by Next generation sequencing (NGS) based aneuploidy screening for embryo prioritization

TECHNOLOGY

Gene Care uses advanced genomic technologies

- Next Generation Sequencing (NGS)
- SNP-based analysis (for PGT-M & PGT-PLUS)
- High-resolution CNV detection

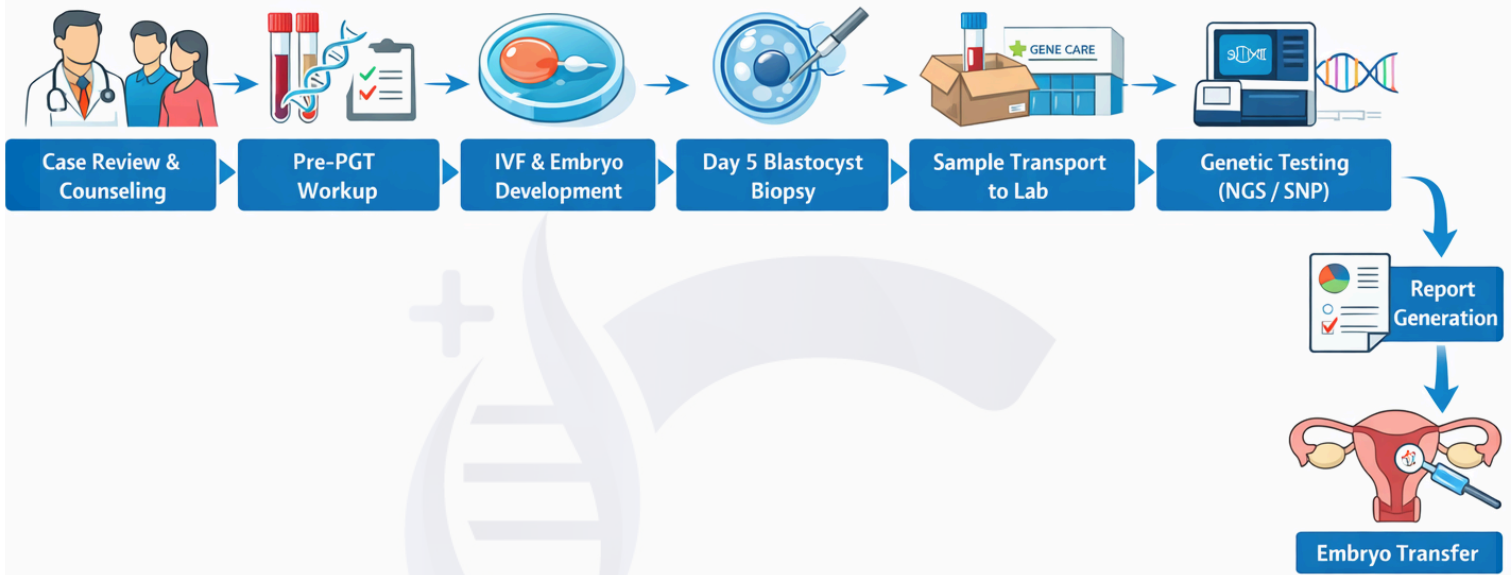
WE CARE FOR YOUR GENES

Key Capabilities

- High sensitivity and specificity
- Mosaic embryo detection
- Detection of segmental abnormalities
- Multi-embryo batch analysis
- Advanced bioinformatics pipelines

End-to-End PGT Workflow

Preimplantation Genetic Testing Process



GeNeCaRe

WE CARE FOR YOUR GENES

WHY GENE CARE

Accuracy

High-resolution NGS with SNP validation

Speed

Fast turnaround time

Value

Affordable Indian pricing

Clinical Support

Dedicated genetic counseling

Quality

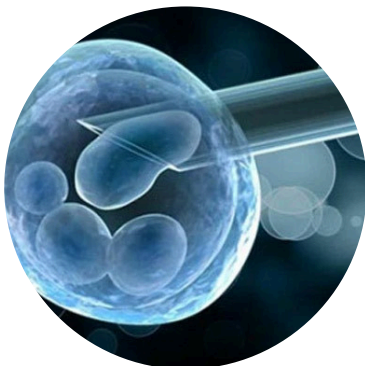
Strict QC and lab standards



Portable Laser



Dedicated Logistic Support



Biopsy Training



Dedicated Counselling



**D- 202,203 , SHREEPAD WORLD
2ND FLOOR, BESIDE NAYARA PETROL
PUMP,NISHAL CIRCLE, PAL 395009
SURAT GUJARAT INDIA**



www.genecare.in



Front Desk: 9426172023

Technical Support: 9974642024

Logistics: 9974652025

info@genecare.in

admin@genecare.in