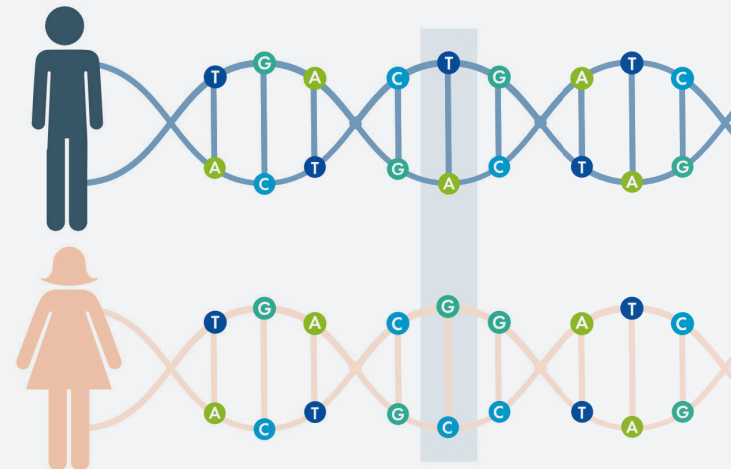


To enhance the genetic testing of IVF embryos and expand the diagnostic capabilities and clinical utility of our preimplantation genetic testing for aneuploidy (PGT-A), we have developed and validated **a parallel targeted Next-Generation Sequencing (NGS) strategy using the power of SNP technology without the need for parental samples.**

Single Nucleotide Polymorphisms

(SNPs) are changes in single nucleotides distributed throughout the genome and frequently vary at the same genomic position between individuals. Most SNPs have only two different alleles.

SNPs can be used to detect ploidy differences, DNA contamination and confirm genetic relatedness between samples in a cohort.



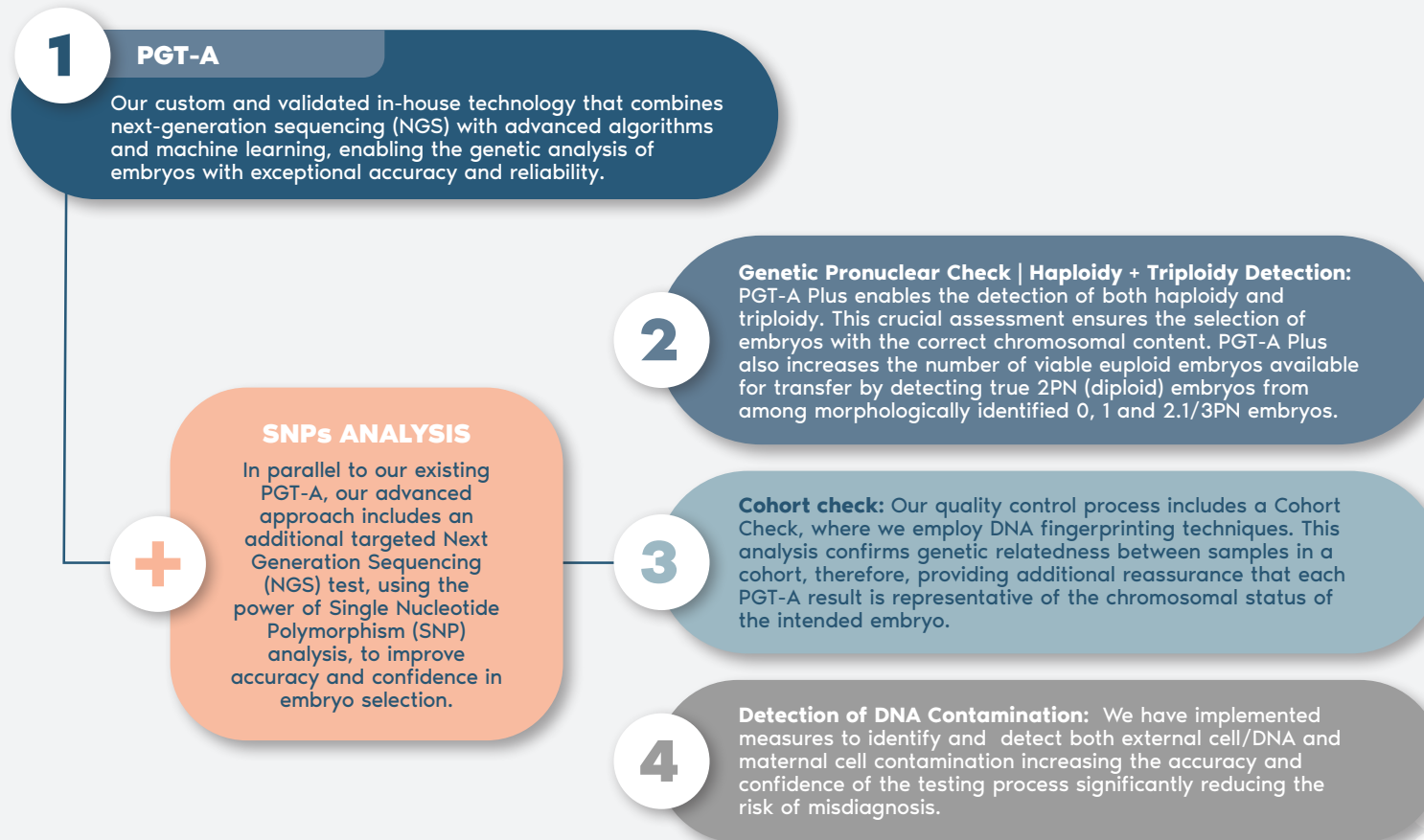
We call this dual assessment **PGT-A Plus**. Building on our extensive expertise in the field of embryo genetic testing, this advanced screening solution goes beyond PGT-A by incorporating additional features, including ploidy analysis (complete chromosome sets), DNA contamination detection, and confirmation of genetic relatedness between samples in a cohort, into a standard PGT-A workflow.

PGT-A &
PGT-A Plus
Compared

| | | PGT-A | PGT-A PLUS |
|---------------------|---------------------------------------|---------|------------|
| Technology | NGS | + | + |
| | SNPs | - | + |
| Results | Aneuploidies | + | + |
| | Mosaicism | + | + |
| | Segmentals* | ≥ 10 MB | ≥ 10 MB |
| | Accuracy | >98% | >98% |
| | Mitoscore | + | + |
| | Ploidy | - | + |
| New features | Contamination (maternal and external) | - | + |
| | Cohort check | - | + |

*PGT-SR: ≥6 MB

Experience the power of our new **PGT-A Plus**, a 4-in-1 genetic test that empowers informed decision-making for embryo transfer.



PGT-A Plus uses two independent analyses on every sample to deliver a comprehensive 4-in-1 genetic test for aneuploidy in embryos.

www.igenomix.com



Who should consider PGT-A Plus?

While any couple can have an embryo with aneuploidy, the chances can increase with the following factors:

- Female age over 35
- History of recurrent pregnancy loss
- Previous IVF failure
- Prior child or pregnancy with a chromosome abnormality

PGT-A Plus is especially recommended for:

- Rescue of high-quality embryos derived from abnormally fertilized oocytes (OPN, 1PN, 2.1PN/3PN)
- Previous or recurrent triploid pregnancy
- Previous molar pregnancy
- Recurrent or sporadic miscarriage after conventional PGT-A
- Patients with severe male factor or high rate of diploidy in sperm

What makes our PGT-A Plus stand out from the rest?



Offers **enhanced confidence with robust and accurate results**, utilizing two independent technologies for DNA analysis.



Strengthened by the power of big data and artificial intelligence, effectively overcoming the limitations of human subjectivity and greatly reducing the risk of human error.



Maximizes the likelihood of successful pregnancy by carefully identifying optimal embryos for transfer.



Reduces the risk of miscarriage due to previously undetected abnormalities (e.g. triploidy).



Increases the number of viable embryos available for transfer by enabling the identification of diploid blastocysts derived from abnormally fertilized oocytes.



Enhances accuracy and reduces the risk of misdiagnosis by detecting external and maternal cell DNA contamination.



Provides confirmation of genetic relatedness between all samples in a cohort without the need for additional parental samples.



Ensures enhanced quality control in the laboratory procedures conducted within your IVF lab, providing greater assurance.