

# PGT-Complete<sup>SM</sup> Test

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Empowering patients,  
helping to safeguard  
embryos



CooperSurgical®

Fertility Solutions

# What is included in the PGT-Complete<sup>SM</sup> Test?

How our unique features will benefit you.

## PGT-A (PGTai<sup>®</sup> Platform)

### Feature

PGT-A testing using PGTai, our artificial intelligence (AI) platform.

### Benefit to you

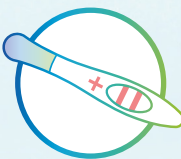
Our PGTai is the only test available using AI that is based on clinical outcome data of live births and sustained pregnancies. Our platform has been shown to improve the odds of IVF success.<sup>1</sup>

To find out more about our PGT-A testing head to page 6.

### Our PGT-A using PGTai was shown to:



**Increase** ongoing pregnancy and live birth rates by **>13%**<sup>1</sup>



**Reduce** biochemical pregnancy loss rates by **>60%**<sup>1</sup>

## Parental QC\*

### Feature

Confirms a match\*\* between embryo biopsy sample and provided patient samples.

### Benefit to you

Reassures you that the intended egg and sperm were used in your IVF process, helping to reduce the anxiety of potential mix-ups.



“ I always recommend parental DNA checking. Parental QC provides important protection for everyone, both patients and clinicians. ”

Peter Klatsky, MD Spring Fertility<sup>2</sup>

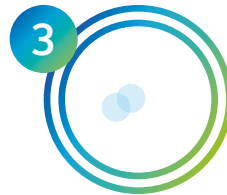
\*. Parental QC is not reported in countries (e.g. UK) where it is not permitted by regulatory bodies.

\*\* A match is defined as a genetic analysis that is consistent with a shared inheritance and familial relationship between the parental samples and the embryo biopsy sample.

1. Buldo-Licciardi et al. Utilization of standardized preimplantation genetic testing for aneuploidy (PGT-A) via artificial intelligence (AI) technology is correlated with improved pregnancy outcomes in single thawed euploid embryo transfer (STEET) cycles. Journal of Assisted Reproduction and Genetics. 2023 Feb;40(2):289-99.

2. Dr Klatsky was a paid consultant for his talk at ASRM 2022 which can be watched at: <https://www.youtube.com/watch?v=yICg08SNJ4I>

3. Paz et al. Blastocysts derived from OPN oocytes: Genetic and clinical results. JBRA Assisted Reproduction. 2020 Apr;24(2):143.



## Genetic Fertilization (“PN”) Check

### Feature

Genetically confirms the visual inspection that the egg was correctly fertilized by the sperm.

### Benefit to you

Depending on your clinic’s protocols, this may offer you a chance of having additional transfers and possibly achieving pregnancy.<sup>3,5</sup>

Equipping your clinical team with the ability to identify and rescue correctly fertilized embryos, helping to enable additional embryo transfers.<sup>3</sup>



## Origin of Aneuploidy

### Feature

Determines where the aneuploidy came from (sperm or egg).

### Benefit to you

Might facilitate decision-making for you, and your care team regarding future IVF planning.

### Aneuploidy can originate from either the sperm or the egg:



**10%** of whole chromosome aneuploidy is of paternal origin.<sup>4</sup>



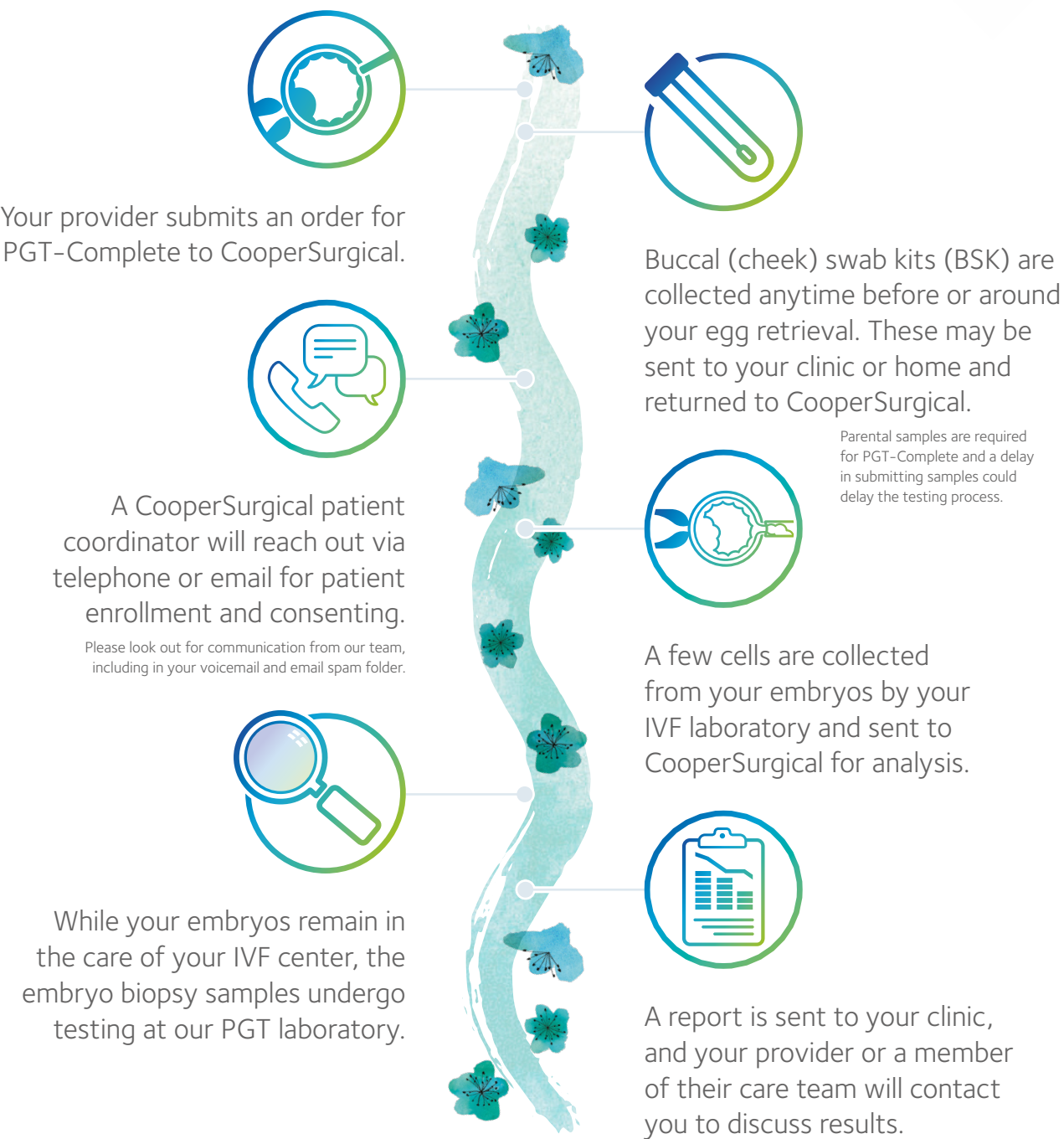
**70%** of segmental aneuploidy is of paternal origin.<sup>4</sup>

4. Kubicek et al. Incidence and origin of meiotic whole and segmental chromosomal aneuploidies detected by karyomapping. Reproductive biomedicine online. 2019 Mar 1;38(3):330-9.

5. Mizuta et al. P-734 Blastocysts derived from tripronuclear zygote including small pronuclear zygote have high diploid and euploid rate with NGS and SNP analysis. Human Reproduction. 2023 Jun 1;38(Supplement\_1):dead093-1053.



# What to expect with the PGT-Complete<sup>SM</sup> process



## Did you know?



We collect BSKs in order to obtain you and your partner's specific genetic information. We do this by analyzing Single Nucleotide Polymorphism (SNP) patterns. These patterns are unique to you, your partner, and your embryos.

# What to expect from your PGT-Complete results?

Any PGT-Complete results will be discussed with you by your health care provider.

## Result

### PGT-A result:



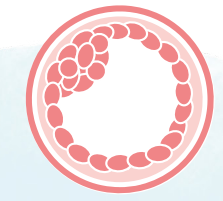
Euploid, aneuploid or mosaic.



Euploid



Mosaic



Aneuploid

To find out more about your PGT-A results, **head to our blog.**<sup>1</sup>

### Parental QC result:

A match confirms the relationship between the embryo biopsy sample and the provided parental samples.



Match



Nonmatch

### Origin of aneuploidy result:

Maternal or Paternal origin of abnormality for chromosomes impacted



Maternal [Mat]



Paternal [Pat]

### Genetic PN check result:

We will confirm with your clinic that the embryo was normally fertilized, containing the correct number of chromosomes and equal amounts of DNA from both intended parents.



Euploid - Normal Fertilization

Please note that some of these steps like consents and sample collection may occur "out of order".  
Parental samples are required for PGT-Complete and a delay in submitting samples could delay the testing process.

\*. Parental QC is not reported in countries (e.g. UK) where it is not permitted by regulatory bodies.  
1. <https://www.coopergenomics.com/during-ivf/interpreting-your-pgt-a-results/>



# The CooperSurgical® difference

At CooperSurgical, we recognize that each sample that comes through our laboratory belongs to an individual or family with their own unique story and journey. We take a personalized approach to patient care and clinical service.

CooperSurgical® has over 30 years of experience in PGT and our laboratories have run over 600,000 PGT procedures.<sup>1</sup>

Our PGT testing is based on a legacy of innovation and a team of experts, including PGT pioneers. Our laboratories meet the highest global quality standards (including CAP, CLIA, NYSDOH, ISO 15189).

At CooperSurgical, innovation is our priority. We are constantly investing in cutting-edge technology, Research and Development and optimizing processes to help provide the best results possible.



Take a tour of our genomics laboratory  
New Jersey, USA

# Supporting you

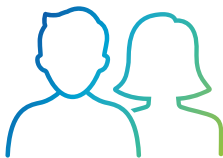
## Helping you understand your PGT-Complete results

Between our global team of qualified genetic counselors and our customer service representatives, we offer tailored and individual support for you and your partner to guide you through the PGT-A testing process.

### What we offer



Care from start to finish



Comprehensive genetic counseling support



Detailed and clear PGT results



Private medical couriers ensure your sample is safe

### Your stories

Showing the breadth of people's experiences before IVF, during IVF and after pregnancy.



Read our stories on our website<sup>3</sup>...



Christina's Story: Mosaic Embryo Transfer  
READ MORE



Runman's Story: A voice for her community  
READ MORE



Cynthia's Story: Not Wanting to Give Up Hope  
READ MORE



Catie's Story: How CooperGenomics PGT-A Helped Us in Our Fertility Journey  
READ MORE

1. Internal CooperSurgical data.  
2. <https://www.youtube.com/watch?v=ELJx9CCnzpQ>

3. <https://www.coopergenomics.com/your-stories/>

# PGT-Complete<sup>SM</sup> can be combined with ER-Complete<sup>SM</sup>

If you are thinking about our PGT-Complete testing, we also offer endometrial testing with our ER-Complete test.

To find out more, speak to your clinician about ER-Complete or PGT-Complete. You can also visit our website at [coopergenomics.com](https://coopergenomics.com)

## Our Complete genetic testing portfolio

### PGT-Complete<sup>SM</sup> Test



**4-in-1** genetic test

PGT-A via PGTai<sup>®</sup> platform

Parental QC

Genetic PN check

Parent of Origin of Aneuploidy



### ER-Complete<sup>SM</sup> Test



**3-in-1** endometrial test

Window of implantation

Abundance of lactobacillus

Reproductive tract pathogens

