

Reproductive Genetic Testing

A pioneering family of tests
providing greater confidence



CooperSurgical®
Fertility Solutions

Right embryo, right time, right environment

By choosing one of our 'Complete' test packages you are choosing our most comprehensive and individualized test offerings for your patient.

Test packages overview

Right embryo



PGT-CompleteSM

Our **4 in 1** genetic test
See page 3 for details

- 1** PGT-A
Improves the chances of IVF success by selecting the **right embryo** for transfer
- 2** Parental QC
Provides patients reassurance that the intended egg and sperm were used
- 3** Genetic PN check
Gives the capability to identify and rescue true 2PN embryos from morphologically identified 0, 1, and 3PN embryos
- 4** Origin of Aneuploidy
Supports the clinic and patient, by identifying the origin of abnormality, to help guide future decisions

Right time, right environment



ER-CompleteSM

Our **3 in 1** endometrial biopsy
See page 5 for details



ERPeak[®] Test

Identifies the **right time** for your patient's embryo transfer
See page 6 for details



ERBiomeSM Test

Evaluates if your patient has the **right environment** for embryo transfer
See page 6 for details

- 1** Window of implantation
- 2** Dominance of lactobacillus
- 3** Presence or absence of known pathogens

Other PGT tests available:



Standard PGT-A (via PGTai[®] 2.0)
See page 4 for details



PGT-M
See page 4 for details



PGT-SR
See page 4 for details

High-quality laboratory standards

We understand that every sample is important

Testing is performed in our state-of-the-art laboratories that meet the highest global quality standards (including CAP, CLIA, NYSDOH, ISO).



Take a tour of our state-of-the-art genomics laboratory

Support and guidance for patients

We are proud to have an extensive team of global and board-certified genetic counselors to provide personalized guidance and support.

Our genetic counseling sessions for PGT help your patients feel informed and confident about their genetic testing decisions. These sessions explain how our testing may help increase their odds for a successful pregnancy.



PGT-CompleteSM



Our **PGT-Complete test** takes PGT-A beyond aneuploidy testing, to provide a new standard of care with our most clinically comprehensive insights

PGT-A

All the benefits of our innovative PGTai[®] 2.0 to improve the chances of IVF success

Includes the simultaneous testing of:

Parental QC*

Provides patients reassurance that the intended egg and sperm were used, to help reduce parental anxiety of potential mix-ups

Genetic PN check

Gives the capability to identify and rescue true 2PN embryos from morphologically identified 0, 1, and 3PN embryos, to confidently enable additional euploid embryo transfers

Origin of aneuploidy

Supports the clinic and patient, by identifying the origin of abnormality, to guide future decisions

PGT Complete = Our 4 in 1 genetic test
for our most complete clinical insights

*Availability subject to each country's regulations.

1. Buldo-Licciardi J, Large M, McCulloh D, McCaffrey C, Grifo J. Second generation artificial intelligence technology for preimplantation genetic testing (PRT) improves pregnancy outcomes in single thawed euploid embryo transfer cycles (STEET). Presented at American Society for Reproductive Medicine on October 19, 2020. Available at: <https://asrm.confex.com/asrm/2020/meetingapp.cgi/Paper/8645>. Accessed November 2, 2021.

2. Internal CooperSurgical data, 2022.



PGT-A



Our unique **PGTai[®] 2.0** innovation improves the odds of pregnancy and IVF success

The only test using artificial intelligence (AI) based on clinical outcome data, helping to eliminate subjectivity and improve accuracy. PGTai 2.0 provides greater confidence in robust and accurate results with two independent analyses (CNV and SNP) to check for abnormalities.¹

PGT-A via PGTai 2.0 has shown to:

Increase the ongoing pregnancy and live birth rates by **13%** when compared to standard PGT-A¹



PGT-M

A genetic test designed to help reduce the risk of having a child with an inherited condition

Our experts have over 100 years of combined PGT-M experience and global expertise in providing accurate results — highlighted by our ability to accept the most complex of cases.

In the last
10
years

we have performed more than **15,000** PGT-M cases on more than **1,000** different disorders²



PGT-SR

Using our PGTai 2.0 technology, we perform PGT-SR for patients with high accuracy

Our pioneering AI analysis is developed with real outcome data and uses two independent analyses (CNV & SNP) to identify unbalanced chromosomal rearrangements, providing more confidence in robust and accurate results

PGT-SR can identify specific abnormalities with **2–3 times** greater resolution than most available tests²

ER-CompleteSM

Our **ER-Complete test** provides you with three simple results from one endometrial biopsy giving actionable results to help guide your patient's embryo transfer.



ERPeak[®] test

Our **ERPeak test** identifies your patient's Window of Implantation (WOI). This is particularly helpful for women with recurrent implantation failure, showing higher pregnancy and birth rates for this population.³

ERPeak has a **5x lower no result rate** compared to standard endometrial testing⁴



ERBiomeSM test

Endometrial dysbiosis can cause an inflammatory environment preclusive of implantation.

Our **ERBiome test** evaluates a patient's endometrial microbiome, determining the relative abundance of lactobacillus and the presence or absence of known reproductive tract pathogens.



ERPeak + ERBiome = ER-Complete

Comprehensive testing, personalized treatment.

1 biopsy, **3** clinical insights.

Note: ERPeak and ERBiome can also be ordered separately.



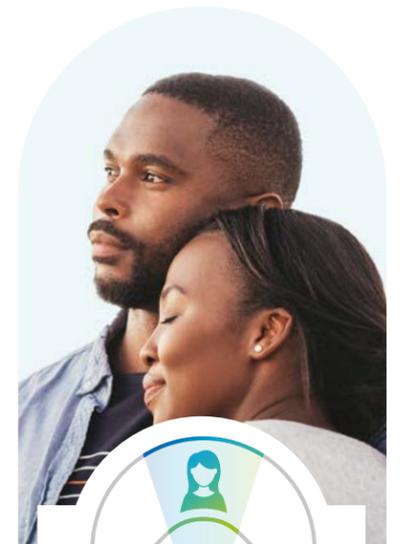
ERPeak[®] Test

Our **ERPeak Test** provides accurate, actionable results the first time

- Innovative AI approach proactively corrects for sample variability
- Simple results provide an actionable and personalized guide for optimal time for embryo transfer



- 1 Endometrial biopsy & sample shipment
- 2 Laboratory analysis
- 3 Result reporting
- 4 Precision embryo transfer



Identifying the **right time** for your patient's embryo transfer



ERBiomeSM Test

Determining optimal endometrial environment

Our ERBiome Test evaluates your patient's endometrial microbiome to help guide a personalized treatment strategy. The two test features from one endometrial biopsy:

- Determine relative abundance of lactobacillus
- Presence or absence of known reproductive tract pathogens



Easy result interpretation

A Lacto-dominant or Non-Lacto-dominant result is given along with detected reproductive tract pathogens known to impact implantation outcomes.



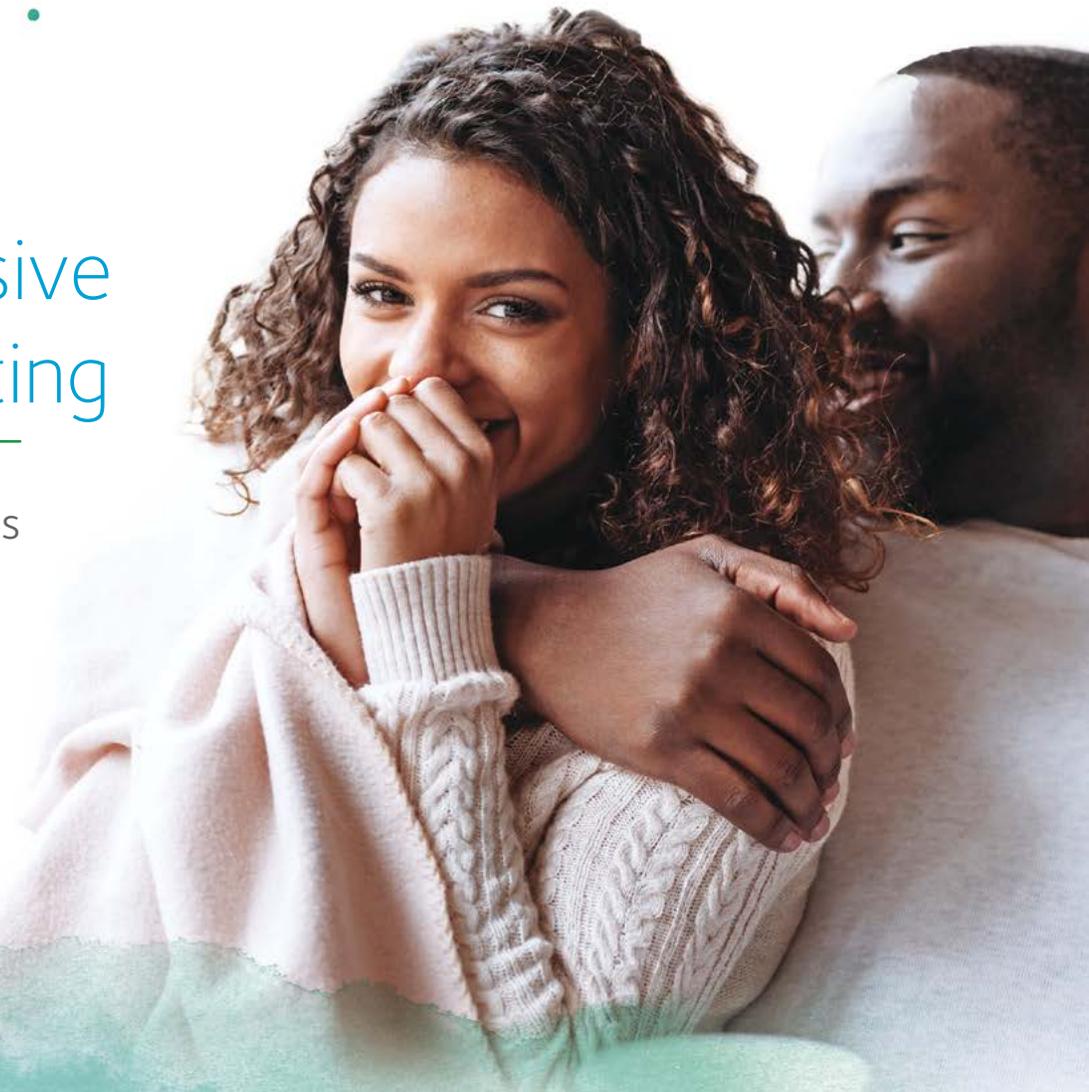
3. Ohara et al, Clinical relevance of a newly developed endometrial receptivity test for patients with recurrent implantation failure in Japan. Reprod Med Biol, 2022.

4. Internal CooperSurgical data, ERPeak test white paper, 2021.



Comprehensive Genetic Testing

Contact your local sales representative to find out more



Our Complete genetic testing portfolio

PGT-CompleteSM 

4-in-1 genetic test

- PGT-A
- Parental QC
- Genetic PN check
- Parent of Origin of Aneuploidy



ER-CompleteSM 

3-in-1 endometrial analysis

- Window of Implantation
- Abundance of Lactobacillus
- Reproductive tract pathogens

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