



Embryo Biopsy

The full solution for efficient
and effective biopsy procedures



ORIGIO • SAGE • Humagen • TPC • K-Systems • RI • Wallace • LifeGlobal • CooperGenomics

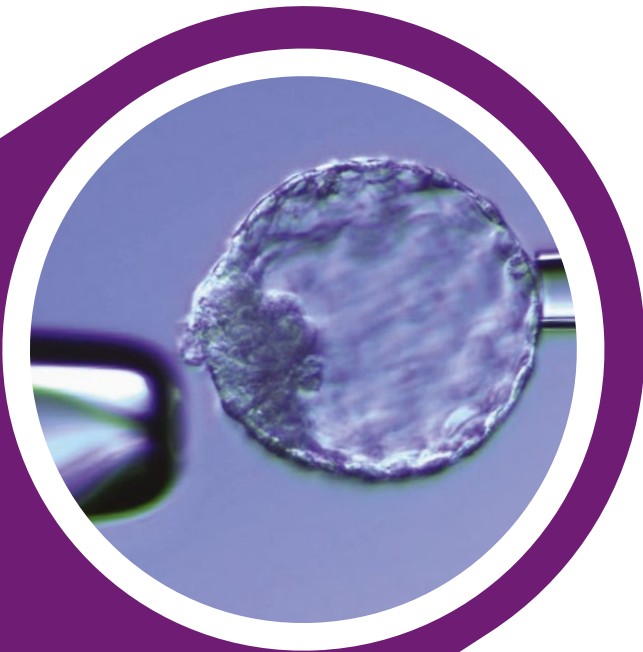
Full service biopsy and PGT provider

Introducing or improving a biopsy program in your lab has never been easier, with procedures and supplies optimized, it can be stress-free to incorporate this process into your clinical practice.

CooperSurgical Fertility and Genomics Solutions have a full range of products for your biopsy needs that have been tried, tested and validated by clinics worldwide.

Why choose CooperSurgical Fertility and Genomic Solutions?

Our experience working with embryologists in laboratories across the globe, and offering a portfolio of products for the entire ART process, means we can help simplify biopsy work within your laboratory. This helps increase both the likelihood of success, and the ability to achieve more consistent results.



One of the key advantages of choosing an integrated solution for embryo biopsy is the optimization of your workflow. This is achieved through:

- **Upgrading** your skill levels and training with our experienced embryologist team
- **Reducing** the time taken to carry out procedures by using intelligently designed products
- **Removing** the worries of compatibility issues between products
- **Individualizing** your set-up by choosing from an extensive portfolio with products to suit embryologists' needs
- **Trusting** that the sample is being handled by genetics experts

CooperSurgical Fertility and Genomic Solutions' products work in harmony with one another. Covering every stage of embryo biopsy procedures, you can streamline your work and achieve the best possible results.

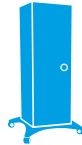
Optimize your procedures – use the right tools

Key benefits of using our products for biopsies in the ART laboratory



RI Witness™

Ensures patient samples are tracked through the lab



CodaAir Filter®

Protects embryos from VOCs



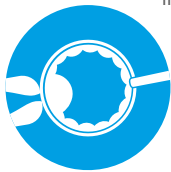
GPS® dishes

Microwells prevent droplet collapsing or mixing and improve pH control



Biopsy media

Supports biopsy of embryos, at any stage, for PGT



Integra 3™ micromanipulator

Thermosafe™ warm air technology keeps samples at optimum temperature



Workstations

Maintains a clean environment and stable temperatures



Oil

Consistent product quality and reliability



Saturn 5 Active™ Laser

Enables cell ablation with pinpoint accuracy, reducing cell damage



Micropipettes

Biopsy micropipettes to cover any procedure and preference



Handling

Handling devices and pipette tips can easily and comfortably move samples before and after biopsy



PGT-A (PGS)

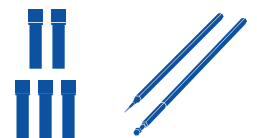
Trusted genetic testing and counseling from the pioneers in PGT



PGT-M (PGD)



PGT-SR (PGD)



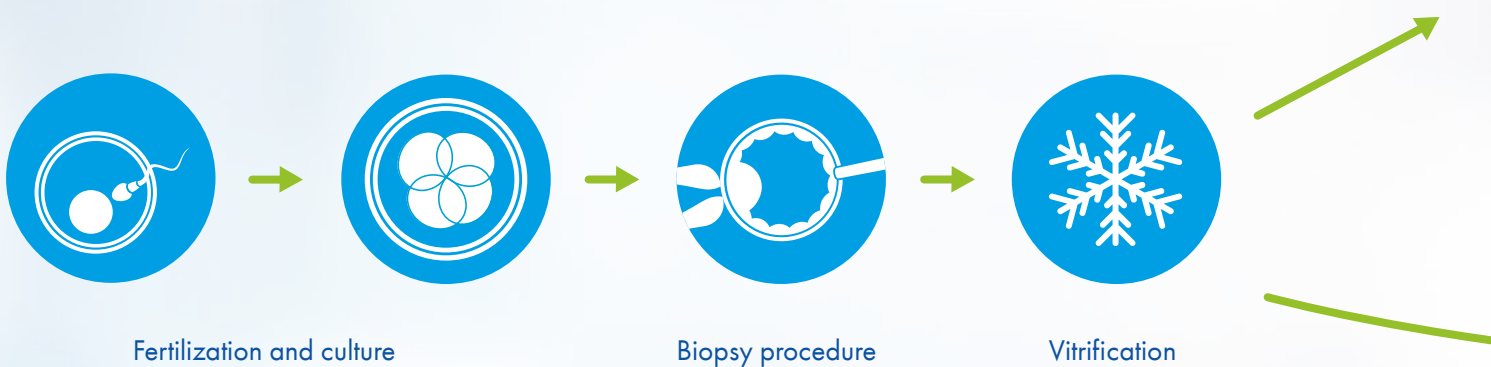
Vitrification kits and carrier

Promote high survival rates and viability*

* Selman et al., 2010, Selman et al., 2009, Cao et al., 2009 and Bern et al., 2011, Parmegiani et al., 2018

Committed to every aspect of embryo biopsy and PGT

Every embryology lab is unique and so are the practitioners. We understand the processes, variables and considerations at each stage. Together we can find the ideal solution for you, your lab and team.



Preparation

It is important that the embryo is as clean as possible before biopsy, with all extraneous cells removed in order to mitigate the risk of contaminating the sample.

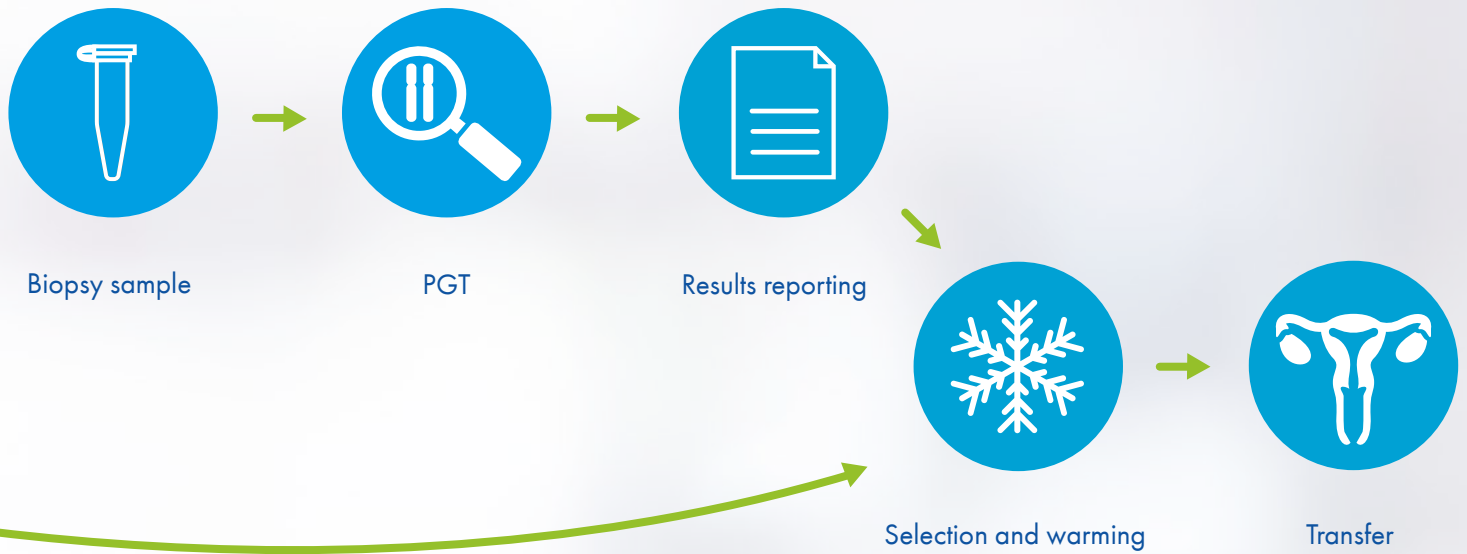
The Stripper® and EZ-Range offer a complete selection of denudation and handling tips, as well as pipettor handles to offer you both comfort and effectiveness.

We provide Pasteur pipettes, LifeGlobal dishware, ORIGIO and SAGE media and oil for dish preparation.

Biopsy

To help biopsies become routine and standardized, our biopsy hardware has been uniquely developed to work together. Ergonomically designed, the Integra 3 micromanipulator is comfortable to use and ensures samples are kept at the optimal temperature. Our Saturn 5 laser pulse times ensure the lowest amount of heat reaches the embryo, thereby lowering possible risk of thermal damage. The software they use is compatible with one another including the RI Witness system, which monitors the security of patient samples.

To complement and ensure successful biopsy procedures, choose the exact micropipette tool best suited to your needs from our extensive range of ORIGIO, TPC and RI micropipettes.



Tubing & spreading

To ensure safe transfer of biopsied materials to the genetics lab, use pipettes from the EZ-Range or the Stripper range. The Stripper PGD has an extra small diameter tip specially designed to handle the biopsied material.

During all handling and packing procedures, K-Systems and ORIGIO workstations help ensure protection of sample integrity.

Cryopreservation

If you need to cryopreserve your embryos while practitioners await results, we offer a full portfolio of vitrification solutions that are easy to use and ensure high survival rates.

The documented efficiency of SAGE and ORIGIO vitrification media, together with the VitriFit™ open carrier, provides a full solution for effective vitrification.



Genetic testing

Embryo biopsy is only one part of the PGT journey.

PGT-A is designed to improve IVF outcomes by reducing miscarriage rates and increasing implantation, ongoing pregnancy, and live birth rates. CooperGenomics offer PGT-A performed via Next Generation Sequencing (NGS) technology, which is capable of detecting more abnormalities than any other methodology and reliably detects mosaicism.

PGT-M and SR are designed to reduce the risk of passing on a specific genetic disease or chromosome rearrangement, respectively. Most PGT-M tests are created uniquely for each family and are performed using karyomapping technology with >95% accuracy.

As pioneers in the field with more than 125,000 PGT procedures performed, CooperGenomics is dedicated to advancing the field of reproductive genetics, improving outcomes, and empowering families.

PGT-A (PGS)

PGT-M (PGD)

PGT-SR (PGD)



Genetic counseling

Discussing genetic testing and its personal impact on a family requires sensitivity and a well thought-out approach. CooperGenomics' team of experienced genetic counselors is available to help guide your staff and your patients through the testing journey, results, and decision-making process.





For the full
schedule visit
coopersurgical.com

Training program

We invite customers and partners to learn new techniques and share best practices in our fully equipped training laboratories.

Our global network of training laboratories provide evidence-based training by skilled, experienced embryologists. Sessions include demonstrations and hands-on learning in a comprehensive range of ART techniques.

By undertaking our biopsy course, you can upgrade your skill levels through comprehensive hands-on training and best practice sharing.

If you and/or your staff could benefit from biopsy-related training, contact us today at training@coopersurgical.com for more information and bookings.

Equipment service plans

Helping you focus on your core business

Have confidence that our equipment will not let you down with a service plan. We offer a range of contract options to suit your needs including preventative maintenance and service, reliable access to spare parts, product training and online handling of service requests.

Contact your local CooperSurgical representative for more information.

Embryo Biopsy and PGT Product Range

HANDLING DEVICES

The Stripper®

The Stripper PGD®

The Stripper Tips® (Individual or Multi Pack)

EZ-Grip®

EZ-Tip®

EZ-Squeeze™

EZ-Strip®

IVF Pasteur Pipettes

MICROPIPETTES

ORIGIO Biopsy and Holding Pipettes

RI Biopsy and Holding Pipettes

TPC Biopsy and Holding Pipettes

MEDIA

ORIGIO SynVibro Hyadase

ORIGIO ICSI Cumulase

Biopsy Medium

Quinn's Advantage™ medium with HEPES (without Ca/Mg)

Quinn's Advantage™ medium with HEPES

LifeGlobal® PGD Biopsy medium

Acidified Tyrodes Solution

OIL

ORIGIO Liquid Paraffin

SAGE Oil for Tissue Culture

LifeGlobal LiteGuard Oil

LifeGlobal LiteOil

LifeGlobal Paraffin Oil

DISHES

GPS® Dishware

MICROMANIPULATOR

Integra 3™ Micromanipulator

LASER

Saturn 5™ Laser System

WORKSTATIONS – CLASS I

K-Systems 100 Series (L124 / L124 ICSI / L126 MP)

ORIGIO Fortuna

ORIGIO Titan

WORKSTATIONS – CLASS II

K-Systems L234 CellTouch

K-Systems G603 Work Chamber

ORIGIO Mars

AIR FILTER

CodaAir®

GENETIC TESTING

PGT-A

PGT-M

PGT-SR

Genetic Counseling

SECURITY & MANAGEMENT

RI Witness™

CRYOPRESERVATION

VitriFit™

SAGE Vitrification Kit with DMSO

SAGE Vitrification Warming Kit

MediCult Vitrification Cooling Kit DMSO free

MediCult Vitrification Warming Kit

Availability of a device for clinical use is dependent on its regulatory approval status within the country it is intended to be sold.