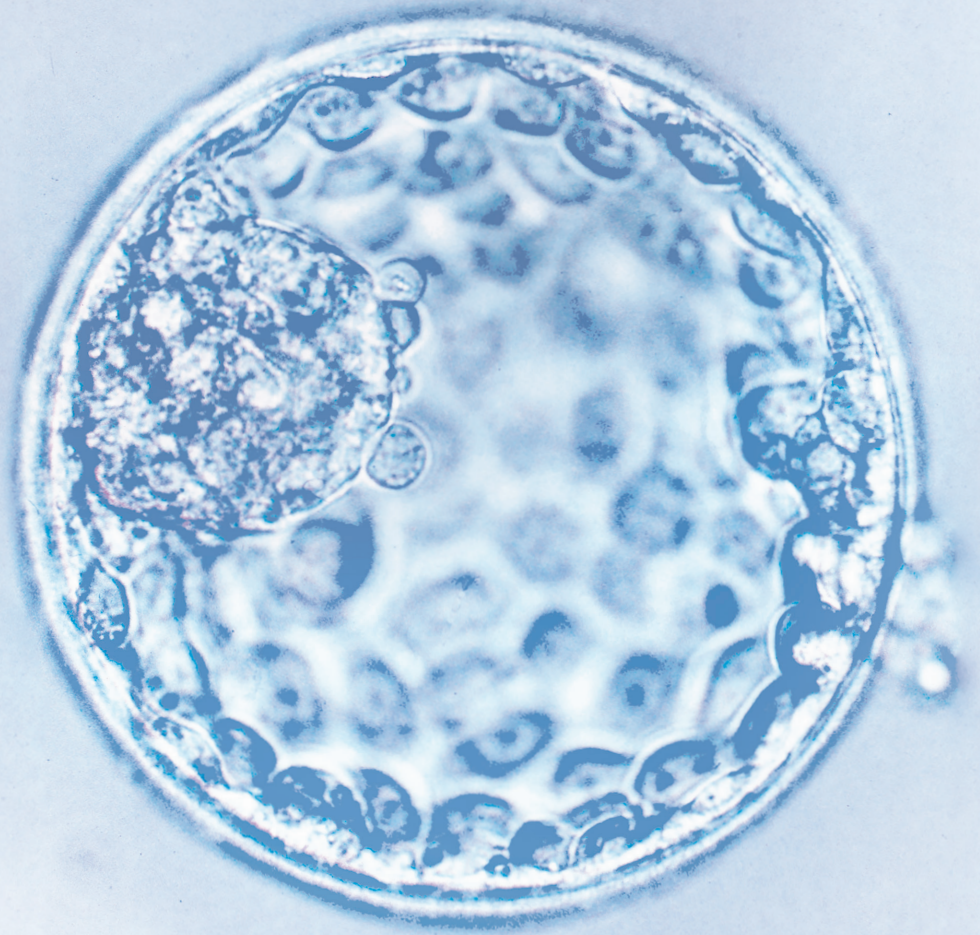




PGD & PGS

# Embryo Biopsy

The full solution for efficient  
and effective biopsy procedures



QUALITY CONTROL | OOCYTE RETRIEVAL | ANDROLOGY & IUI | FERTILIZATION | CULTURE | PGD & PGS | CRYOPRESERVATION | EMBRYO TRANSFER



CooperSurgical Fertility Companies

**CooperGenomics**<sup>SM</sup>  
a CooperSurgical company

Reprogenetics<sup>SM</sup> | Recombine<sup>SM</sup> | Genesis Genetics<sup>SM</sup>

# Proven results and market demand mean that worldwide, more labs are offering PGD and PGS to their patients.

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.

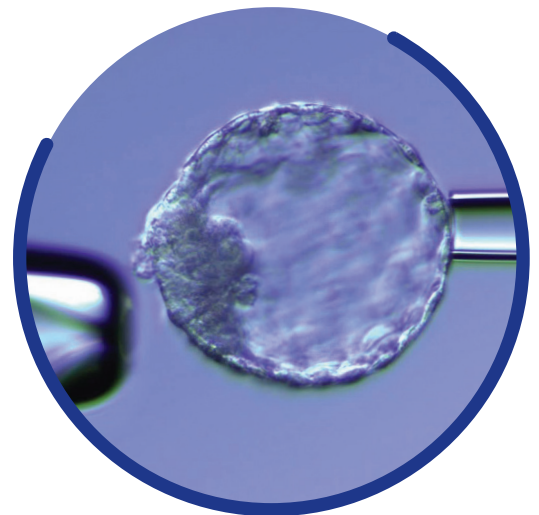
CooperSurgical fertility companies (ORIGIO, RI , TPC, Wallace and K-Systems) and CooperGenomics have a full range of products for your biopsy needs that has been tried, tested and validated by clinics worldwide.

## Why choose CooperSurgical companies for your biopsy solution?

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. Working in this way helps increase the likelihood of success and achieve consistent results.

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

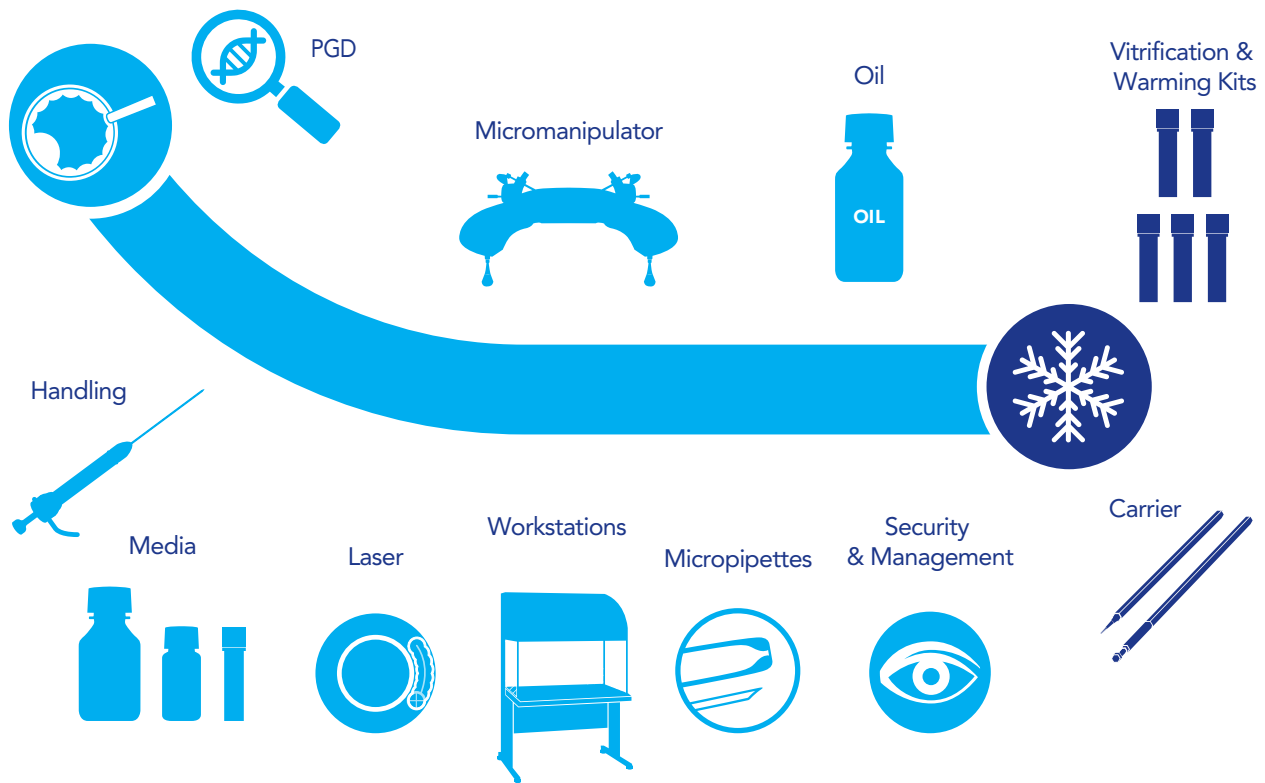
- **Upgrading** your skill levels and train with our experienced embryologist team
- **Reducing** the time taken to carry out procedures by using intelligently designed products
- **Removing** the worries of compatibility issues between products
- **Individualizing** your set-up by choosing from an extensive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



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Products created by CooperSurgical fertility companies 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



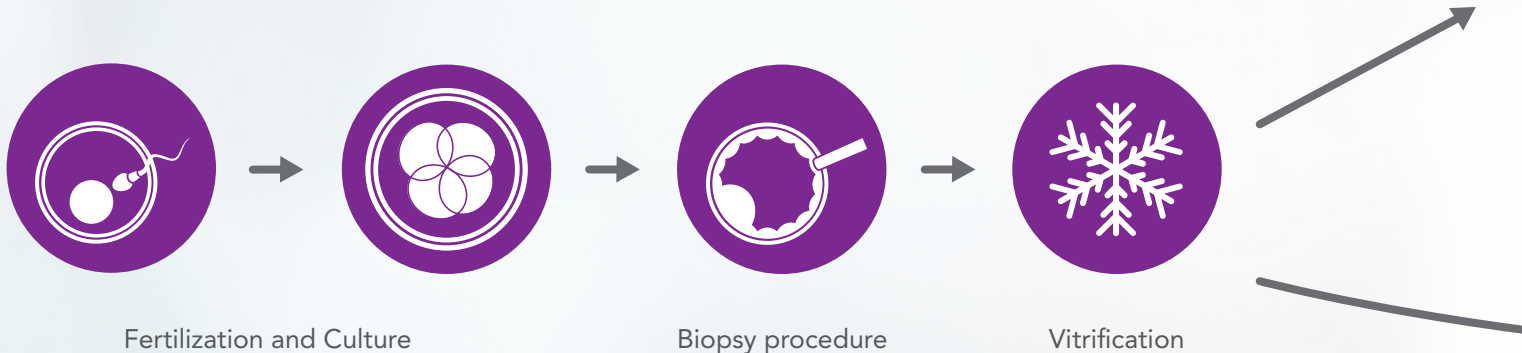
## Key benefits of using our products for biopsies in the ART laboratory:

- **Integra 3™ micromanipulator** – Thermosafe™ warm air technology keeps samples at optimum temperature
- **Saturn 5 Active™ laser** – enables cell ablation with pinpoint accuracy, reducing cell damage
- **Micropipettes** – biopsy micropipettes to cover any procedure and preference
- **Handling devices and pipette tips** – easily and comfortably move samples before and after biopsy
- **Incubators** – optimal maintenance of temperature, gas consumption, air quality and pH control
- **Biopsy media** – supports biopsy of embryos, at any stage, for PGD and PGS testing
- **Oil** – consistent product quality and reliability enhances success rates
- **RI Witness™** - ensures patient samples are tracked through the lab
- **Vitrification kits and carrier** – promote high blastocyst survival rates and viability
- **Workstations** – maintains a clean environment and stable temperatures
- **Genetic testing** – access to the best testing options commercially available



# Committed to every aspect of embryo biopsy

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

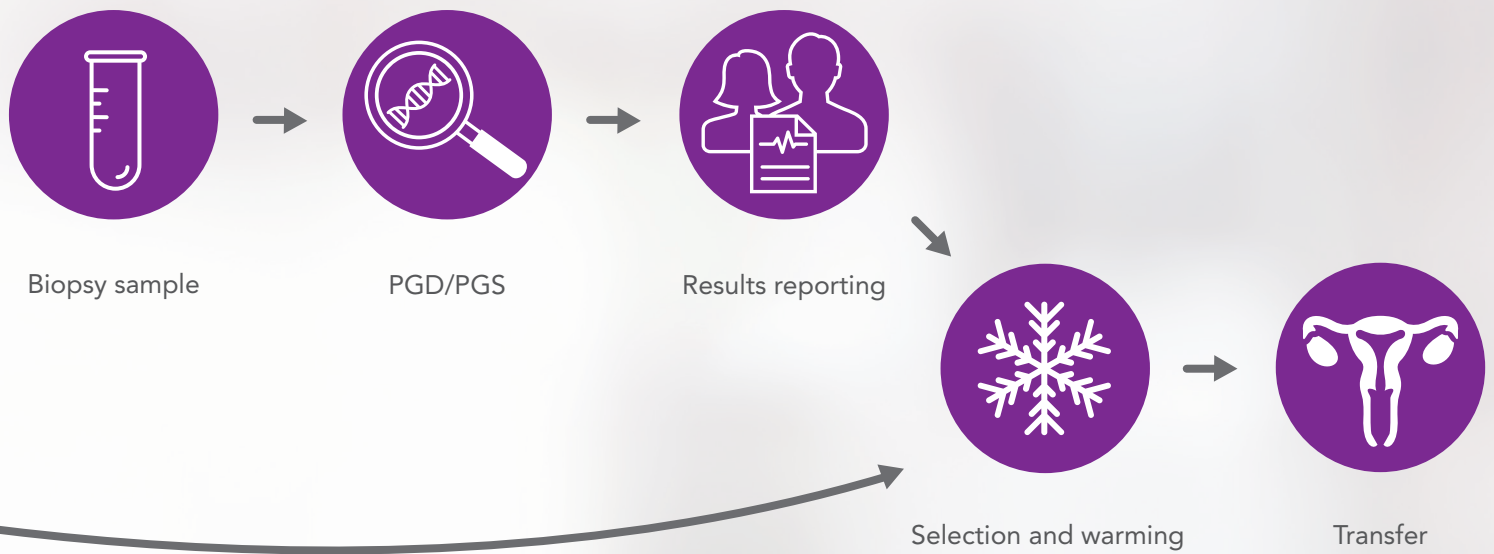
The Stripper® and EZ-Range offer a complete selection of denudation and handling tips, as well as pipettor handles to offer you both comfort and effectiveness.

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

## Biopsy

To help biopsies become routine and standardized, our biopsy hardware is uniquely designed 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 fully 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 uses 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 the results, Origio offers 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.

# Testing

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Embryo biopsy is only one part of the PGD or PGS journey.

PGS is designed to improve IVF outcomes by reducing miscarriage rates and increasing implantation, ongoing pregnancy, and live birth rates. CooperGenomics offers PGS via high resolution Next Generation Sequencing (hr-NGS) technology, which is capable of detecting more abnormalities than any other methodology currently available.

PGD can help couples at risk of passing on a genetic condition to their children by identifying embryos that have not inherited the condition in question, for use in IVF treatment.

As pioneers in the field with more than 20 years experience, and over 100,000 PGD and PGS procedures performed, CooperGenomics continues to be dedicated to advancing the field of reproductive genetics, improving outcomes, and empowering families worldwide through a full service genetic testing portfolio.

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For the full  
schedule visit  
[origio.com](http://origio.com)

## Training program

Since 2011, we have invited 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 Assisted Reproductive Technologies (ART) and culture media processes.

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

If you or your staff could benefit from biopsy-related training, contact us today at [traininglabdk@origio.com](mailto:traininglabdk@origio.com) for more information and bookings.

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## 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 Fertility Companies representative for more information.



# Embryo Biopsy Product Range

## HANDLING DEVICES

The Stripper®

The Stripper PGD

The Stripper Tips (Individual or Multi Pack)

EZ-Grip®

EZ-Tip®

EZ-Squeeze™

EZ-Strip®

Pasteur Pipettes

## MICROPIPETTES

ORIGIO Biopsy and Holding Pipettes

TPC Biopsy and Holding Pipettes

RI 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

Acidified Tyrodes Solution

## OIL

ORIGIO Liquid Paraffin

SAGE Oil for Tissue Culture

## 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

## GENETIC TESTING

PGD

PGS

## SECURITY & MANAGEMENT

RI Witness™

## CRYOPRESERVATION

VitriFit™

CryoLeaf

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.

