The Newest Team In Your IVF Program

The Embryo GPS™ and the Embryo Corral® IVF Dishware

Specially designed, manufactured, and tested for IVF

FDA Compliant
Patented & Patent Pending

www.SunIVF.com
www.IVFonline.com
Embryo Corral® & Embryo GPS™ IVF Dishware
Specially Designed & Tested for IVF
No more droplet collapsing, running and mixing.

The benefits of the Embryo GPS™ and Embryo Corral® designer dishware. Time savings, cost savings and major benefits to the oocyte and embryo.

**Benefit of less time consumption:**
- Set-up time – specifically designed wells make set up faster and easier.
- Observations time – contoured well bottom and ‘same’ focal distance make locating embryos quicker.
- Same dish configurations multiply the savings.

This will result in time saving aspects for the embryologist.

**Benefit of possible cost reductions:**
- Set-up costs – specially designed dishes save in labor and time.
- Use of media – predetermined dish design allows better planning for overall less media use.
- Less time needed for observation of embryos reduces overall costs and time spent on this task.
- All dishes are LAL and 1-cell MEA tested – meaning greater confidence and less onsite testing. COA for each batch included with each shipment.
- Optimal for more sensitive procedures and PGD biopsies.

Results in more consistent oocyte and embryo placement and savings in use and testing.

**Benefits to the oocytes and embryos:**
- The overall design means safety in handling embryos.
- No likelihood of collapsing droplets.
- Fixed volumes per well and standardization.
- Rapid identification of oocytes/embryos at a fixed focal point (GPS).
- Allows better oil coverage by dish design.
- Grouping of embryos in the Embryo Corral® may improve outcome.
- GPS dishes are sterile Gamma Radiated; LAL and 1-cell MEA tested by independent testing company.
- Bottom of dish allows better and uniform heat exchange.
- New lid allows greater gas exchange and may reduce likelihood of sealing by oil and untoward alteration of pH.
- A major benefit is that the embryos will spend less time outside the controlled environment of the incubator.
- Adaptable to different culture schemes.

The Embryo GPS™ and Embryo Corral® dishware have been painstakingly designed to help improve safety and make life simpler for everyone.

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The Embryo GPS™ dishware with its “GPS” location system improves security and safety of embryos and reduces time in a ‘drop-less’ environment...

...No More Droplet running, collapsing, or mixing

The Embryo GPS™ dishware gives you structured wells and observation enhancements that allow you to save time and effort and improves safety in handling embryos.

A ‘drop-less’ environment with designed wells, the ‘GPS’ location for embryos with the ‘same’ microscope focal distance. The GPS dishes provide even and better temperature transition and distribution for a safe and consistent workplace for IVF and embryos.

The ‘GPS’ location system provides you time savings and improved safety ...all the time.

Safety comes with the ‘GPS’ system. Each embryo rests safely in each well. No more drops collapsing or mingling during transportation.

The 8 outer wells have ‘walls’ to culture in a ‘drop-less’ environment; no more droplet collapsing. All 8 wells have the ‘GPS’ locator spot. Ease in set-up, identification, observation, handling and increased safety.

GPS culture system
In the GPS culture dishes each embryo rests in an exact spot in each well and at the exact same focal distance.

Each embryo will be found at the exact location saving time and effort in locating and observing embryos.

The wells provide uniform media volume and focal distance. The ‘wells’ make oil overlay much easier and faster.

Each batch is 1-cell Mouse Embryo Assay (MEA) and Limulus Amebocyte Lysate (LAL) tested by independent testing company. Each batch comes with Certificate of Analysis.

GPS dishware are made with tested non-toxic medical grade plastic manufactured by Nalge Nunc International exclusively for SunIVF. Proven safe in IVF and ART culture.

The Embryo GPS™ dish has 3 large center wells for culturing, quick embryo locating and observation.

New lid design allows greater gas exchange with posts to prevent oil-induced sealing.

FDA Compliant
ISO 9001:2000
ISO 13485:2003

The Embryo GPS™ dish provides 11 exact locations (3 central wells + 8 outer wells).

Embryo GPS – The best dish for PGD cases.
The Embryo Corral®
...THE ONLY CHOICE FOR GROUP CULTURE

The Embryo Corral® is the only culture dish that allows group culture of embryos while allowing individual evaluation of each embryo. The “fence” of vertical posts in each central well prevents the embryos from passing from one quadrant to another, while still allowing exchange of culture media and embryo-derived autocrine and paracrine growth factors to among the embryos in the 4 quadrants of the 2 central wells, assisting embryo development.

Safety comes with the ‘GPS’ system. Each embryo rests safely in each well. No more drops collapsing or mingling during transportation.

The 8 outer wells have ‘walls’ to culture in a ‘drop-less’ society, media will not collapse. All 8 wells have the ‘GPS’ locator spot. The same ease in set-up, identification, observation and handling and safety.

The wells provide uniform media volume and focal distance. The ‘wells’ make oil overlay much easier and faster.

The bottom: Thinner bottom for better heat exchange and space for patient identification.

GPS dishware are made with tested non-toxic medical grade plastic manufactured by Nalge Nunc International exclusively for SunIVF. Proven safe in IVF and ART culture.

• Embryos are held in separate quadrants.
• Medium, with autocrine and paracrine factors, can circulate among the quadrants.

Each batch is 1-cell Mouse Embryo Assay (MEA) and Limulus Amebocyte Lysate (LAL) tested by independent testing company. Each batch comes with Certificate of Analysis.

Each central well has 4 quadrants for grouping embryos and keeping specific identification. The ‘GPS’ system makes ease in locating, observation, handling and overall safety.

New lid design allows greater gas exchange with posts to prevent oil-induced sealing.

FDA Compliant

ISO 9001:2000
ISO 13485:2003

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The Embryo Corral® dish provides 16 exact locations (2 central wells with 4 quadrants each + 8 outer wells).
GPS Dish – Your PGD Solution

GPS dishware is a unique and practical way to be responsible with your embryos when performing PGD procedure.

- The predetermined wells in the GPS dishware significantly lower the likelihood of mixing droplets, therefore, you’re always able to identify each embryo.
- The features of the GPS dishware allows you to locate the embryo faster, making the procedure shorter so embryos will spend less time out of the controlled environment of the incubator.
- The GPS dishware’s specially designed lid prevents the lid sealing and increased PH. Its thinner bottom allows more stable and better heat exchange.
- 1-cell MEA and LAL tested. FDA compliant. CE certified.

Please call for a FREE sleeve of Embryo GPS dishes to see the benefits for PGD biopsy procedures.

Ordering/Sampling Information

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Quantity</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Embryo GPS™ Embryo Culture Dish</td>
<td>The first dish designed solely for IVF.</td>
<td>50pk (10/sleeve)</td>
<td>EGPS-050</td>
</tr>
<tr>
<td>Embryo GPS™ Embryo Culture Dish</td>
<td>The first dish designed solely for IVF.</td>
<td>100pk (10/sleeve)</td>
<td>EGPS-100</td>
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<tr>
<td>Embryo Corral® Embryo Culture Dish</td>
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<td>50pk (10/sleeve)</td>
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</tr>
<tr>
<td>PGD Biopsy Media</td>
<td>Enriched specially designed PGD Biopsy formulation. Ca &amp; Mg free w/ sucrose and is a HEPES buffered solution. 8 week min. shelf life.</td>
<td>20 ml</td>
<td>LPGG-020</td>
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<tr>
<td></td>
<td></td>
<td>50 ml</td>
<td>LPGG-050</td>
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What Our Customers Say

“As of January we switched to the Embryo Corral dishes made by SunIVF. We have not had any more problems with the spreading of media drops. We are using less oil and we have noticed an increase in our clinical pregnancy rate for the first six months of this year compare to the same time in previous years”. Toni Di Berardino MSc, Laboratory Director, Mount Sinai Hospital, Toronto, ON, Canada

“Although spreading medium droplets is a phenomenon that many of us have faced thru our careers, the introduction of the Corral and the GPS dishes from IVFonline have eliminated that problem in our laboratory. In addition to the benefits of a fixed volume per well and rapid identification of the oocyte/embryos at a fixed focal point the dishes are very easy to prepare and use for culture. The benefits of the group culture quadrant in the Corral dishes have been remarkable. They are very adaptable to many culture schemes. Perhaps employing dishware specifically designed and tested for IVF is the answer to the droplet issues”. Charlene Alouf, PhD, Laboratory Director, Crozer Chester Medical Center Fertility Center, PA, USA
GPS vs. Standard Microdrop Culture Comparison of Handling Times

Improves safety and reduces time in setting up, observing and handling.

Figure 1: Comparison of the estimated handling times required for GPS or standard microdrop culture of one dish of 5 embryos from Day 1 to Day 5, with a change to fresh medium on Day 3. The bars represent the times for: preparation of the dishes, set-up of the cultures, and daily evaluation of the embryos. The total handling time for microdrop culture is 32% more than the total time for GPS culture. (Values are based on the results presented in Rieger et al., 2007, Proc. 14th World Congress on IVF & 3rd World Congress on IVM, Montreal, Abstract P-1202)

Figure 2: The times required for set-up and embryo examination in microdrops and GPS microwells.

Figure 3: Mouse embryo development in microdrops and GPS microwells.
7 winning features of ‘the GPS dishes’

1. Improves safety and security of the embryo/oocyte or specimen.
2. Each self-contained well maintains the droplets integrity. No more droplet collapsing, running or mixing.
3. Each well enables rapid identification of each embryo or specimen.
4. Contoured bottoms of each well provide predetermined location of specimens and better heat exchange.
5. GPS dishes provide single or group culture with the benefits of individual tracking.
6. Redesigned lid allows increased CO₂ exchange.

The Embryo Corral® and the Embryo GPS™
The only culture dishes you will ever need…
A better choice your patients deserve…

References

8. O’Neill, C. 1996. Autocrine Mediators are required to act on the embryo by the 2-cell stage to promote normal development and survival of mouse preimplantation embryo in vitro. 58:1303-1309.

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Plenty of REASONS to use GPS Dishware!

THE FUTURE OF ART CULTURE

Traditional Petri Dish

Embryo GPS™ Dish

→ running droplets
→ droplets mixing
→ droplets flattening
→ poor temperature control
→ losing track of marked droplet
→ difficulty locating embryos
→ sealing of dish lid & increased pH

Droplet Culture

GPS Culture

✓ ‘drop-less’ environment
✓ micro wells designed to enhance embryo culture
✓ no droplets mixing
✓ save time and money by reducing set up time, observation time, testing and handling
✓ better heat conservation
✓ enhance safety
✓ easily locate & observe embryos
✓ new designed lid
✓ standardization of culture, uniform volumes

Standardize IVF culture by changing to the Embryo GPS™

Eliminate these concerns and enhance safety by changing to the Embryo GPS™ dishware.

Embryo GPS – The best dish for PGD cases.

Tel: 519-826-9734  email: gps@IVFonline.com
Tel: 800-903-1971    www.SunIVF.com
Fax: 519-826-6947    www.IVFonline.com

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