

December 2015

Volume 2 Issue 5

Cryogenetics wishes  
all of our  
contacts and friends  
a  
Merry Christmas!



## CRYOPRESERVATION—THE CRYOGENETICS WAY

Using cryopreservation as a strategy for husbandry has several advantages:

- Saves space in the fish facility by reducing the number of live fish needed
- Enhances disease control when fewer individuals are in the system and populations are kept in check
- Saves money by focusing efforts in the facility on fish that are needed for current projects
- Secures back up of valuable lines
- Permanent storage of samples in liquid nitrogen

Cryogenetics offers cryopreservation of zebrafish sperm with a new and improved protocol.

Male zebrafish can be shipped to our specialized facility in Woburn, MA where sperm cryopreservation is performed at our laboratory. Frozen samples are stored in our newly developed microstraw and kept in individual storage vessels containing liquid nitrogen for permanent backup. Our staff will work closely with lab members to develop the most efficient strategy for cryopreservation of lines. Our full service and support offers flexible options for sperm collection, storage and cryopreservation procedures, whether happening on- site or off-site.

For European clients we offer to come to your laboratory and perform cryopreservation at your place.



Secure and space efficient storage of lines in liquid Nitrogen.

## FVG & FRIENDS WORKSHOP: FROM AQUACULTURE TO AQUATICS

On November 12th, the Fish Vet Group hosted an event at the Colonnade Hotel in Boston, MA in cooperation with Boston Children's Hospital, Skretting, Aquaneering and Cryogenetics named: **From Aquaculture to Aquatics.**

Presentations given by each group showed how traditional aquaculture sectors have been successful towards applying their technologies for use in zebrafish laboratories. This event was well attended and had positive response from lab members representing a variety of zebrafish facilities on the East Coast of the U.S. and beyond.

Cryogenetics was able to describe how their work in aquaculture led to refinement of cryopreservation protocols and resulted in greatly improved fertility rates from cryopreserved samples. This demonstrates that the availability of a professional, effective and affordable cryopreservation service for zebrafish labs is a great benefit to the zebrafish community.

### NEXT MEETING PLACE:

Aquaculture 2016 February 22-26, Paris Hotel Las Vegas, Nevada USA.  
Visit us at booth #134

**But we are happy to come and visit you!** Get in touch with us to find out more.

**OUR ZEBRAFISH IVF KIT IS GAINING ATTENTION**

We are happy to see that more and more labs are understanding the advantages of using the Zebrafish IVF Kit. The Kit is very useful for IVF with fresh sperm and for fertilizing with cryopreserved straws. Both AquaBoost® OvaCoat and AquaBoost® SpermCoat are included in the kit for extending eggs and sperm and taking the stress out of handling. In addition, all the equipment needed for an easy and effective IVF using Cryogenetics new IVF protocol is contained in one handy tool box and ready to use! You can read more about the IVF protocol at our webpage. ([Download pdf here](#))



**“Do you know that you can prepay for cryopreservation of lines for a discounted rate?**

**This makes it easy to include cryopreservation when applying for grants and planning ahead.”**

**WHAT DOES CRYOGENETICS OFFER TO THE ZEBRAFISH COMMUNITY?**

- Services:
  - ◇ Cryopreservation both off– and on-site
  - ◇ Storage
  - ◇ Return of frozen samples or fertilized embryos
- IVF Kits and IVF Solutions
- Consultancy and Training Support



**Contact**

**Cryogenetics**  
14D Gill Street  
Woburn, MA 01801  
USA

**Phone:** +1 (781) 281-7397

[carrie.r.carmichael@cryogenetics.com](mailto:carrie.r.carmichael@cryogenetics.com)  
[katarina.ruud@cryogenetics.com](mailto:katarina.ruud@cryogenetics.com)

[www.cryogenetics.com](http://www.cryogenetics.com)