

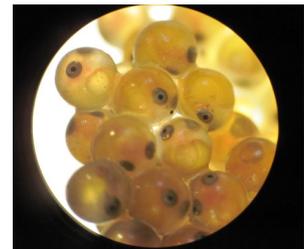


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## FROZEN MILT MAY EVOLVE TO BECOME THE STANDARD IN PRODUCTION OF CLEANERFISH

Cryopreservation of milt from lumpfish gives you access to milt at any time regardless of the availability of male fish. In the spring of 2016 the Cryogenetics laboratory in Hamar has frozen over 800 SquarePack® for several Norwegian lumpfish producers. This is enough milt to fertilize over 80 million lumpfish eggs!! Fertilization carried out already by some lumpfish producers have provided very good results that are on a par with those achieved with fresh fertilization methods.



Lumpfish embryos

## USE OF GENETIC MARKERS INCREASES THE NEED TO USE FROZEN SPERM

The increased use of genetic markers as a selection tool in broodstock production mean that the availability of the most sought-after male fish can be very limited.

Cryogenetics has shown through our techniques that the fertilization potential of the male fish is greater than seen earlier. Cryopreservation of surplus milt from the best males has proven to be a good tool to ensure effective use of the most favorable genes. Cryogenetics is constantly working to tailor effective solutions to use with the individual egg producers.

## EXPECTATIONS FOR INCREASED USE OF AQUABOOST® SPERMCOAT

Based on last season's results and our customers' comments, Cryogenetics anticipate distributing more AquaBoost® SpermCoat to Norwegian customers this season. This confirms that the method of removing the gonads from the male broodstock is moving towards becoming the leading way to extract milt.

Customers are advised to place the order early to ensure on-time delivery. It is also expected that salmon producers in Scotland, Chile and Canada will further see the benefits of using AquaBoost® SpermCoat in their egg production in the future.

**AquaBoost®**  
SpermCoat

## THAWING-KIT—NEW PRODUCT AUTUMN 2016

To make fertilization with frozen sperm easier, faster and more precise, Cryogenetics is launching an equipment kit for thawing and fertilization using frozen milt. This kit will contain all the components you need to perform a more effective fertilization process. Tests have shown that by using the components of this kit, the thawing of the milt can be carried out in advance enabling a more streamlined fertilization routine.

The Thawing-Kit will be available for order in Autumn 2016.



Thawed SquarePack® ready for fertilization

## **NEW STORAGE FACILITY ON THE WEST COAST OF THE UNITED STATES**

As of August 2016 Cryogenetics offer storage of frozen milt from our new storage facility in Oregon on the West Coast of the United States. This new location will be staffed by Chapell Miller and freezing of milt will also be provided from the same facility.

By extending our geographical spread in this way, Cryogenetics services become more accessible for both aquaculture operators as well as many conservation programs based on the American West Coast area.

## **WELCOME TO KAROLINA BERGSTRÖM; OUR NEW BUSINESS DEVELOPER**

Karolina Bergström started as Business Developer in Cryogenetics on 01 June 2016.

She comes from a position as Cross Functional Project Manager at Arla Foods in Denmark, and brings with her expertise and background that fits well into Cryogenetics' commitment to improve our product offering in future.

Karolina will work from our head office in Hamar.



## **Cryogenetics**

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***"Preserving  
Aquatic Genes"***

**Cryogenetics is a Norwegian based biotech company that develops and offers products and services, aiming for a better reproduction and higher fertilization of aquatic species.**

**By being a leader in applying biotechnological processes, Cryogenetics gives their customers cost reducing solutions suited their production.**

**Cryogenetics has units in Canada, Chile, Norway, UK and USA.**

