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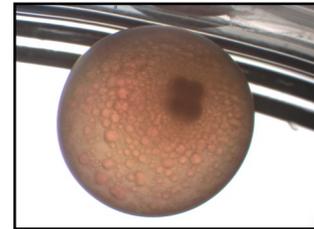
AquaBoost® Activator
now in 4 litre bags

NEW PRODUCT: AQUABOOST® QUATTRO -fertilization test

Cryogenetics are proud to present a new product; the **AquaBoost® Quattro**. AquaBoost® Quattro makes it possible to test fertilization result 100 – 200 hour degrees (*hour x degrees; example 25 h x 4 °C = 100 hour degree*) after fertilization of eggs from salmonids.

The product comes in a kit together with a stereo microscope and equipment for easy counting. Being able to test fertilization result as early as after 100 – 200 hour degrees will give the possibility for saving valuable time, space and costs. It will be visible in a very early state how the

results from each batch of fertilized eggs will turn out. You don't need many eggs to perform the test, approx. 100 eggs, and the analysis is both easy and quick to perform.



Fertilized salmon egg at 150 hour degrees

CRYOGENETICS PRODUCTS AND SERVICES ALSO FOR CLEANERFISH

It can be seen that the products and the technologies that are currently applied in industrial-scale salmon egg production, will also prove very useful in the production of Cleanerfish.

An efficient utilization of the genetic material will be a key factor in order to operate breeding programmes for Cleanerfish, improve biosecurity and simultaneously meet the demands of the salmon industry.

On this basis, Cryogenetics has developed and adapted the following products and services and will apply these to Lumpfish and Wrasse production:

- Using the SDM6 photometer to determine the concentration of sperm within the milt.
- Using our AquaBoost® products:
 - [AquaBoost® Extender](#) to store fresh milt for up to 10 days
 - [AquaBoost® SpermCoat](#) to optimize the use of sperm extracted from the gonads. This methodology is very well suited for Lumpfish, since this is a fish species that is more challenging to strip by the traditional way than perhaps others e.g. salmon
- Freezing of milt for secure storage of genetic material as a back-up to the breeding programme as well as providing out-of-season egg production opportunities. Through storing frozen milt, the possibility of fertilization of eggs regardless of access to sexually mature and spawning males, becomes a reality.



LARGE-SCALE PRODUCTION LAB AT HAMAR

Last season the staff at our HQ in Hamar ran small-scale productions of SquarePack® and straw for the Norwegian and European salmonid clients. This year the lab has been upgraded and is finalized to receive larger volumes milt and full-scale productions.



Inger, Katarina, Kjetil and Line are ready to receive milt for cryopreservation

A TASTE OF OUR CONTINUOUS R&D WORK

Cryogenetics is always working to improve existing protocols and products; adjusting protocols and products for other species and developing new products to solve different challenges related to fish reproduction. Our R&D team consist of highly skilled and positive people who are truly dedicated to their work.

During the last months, we have been running trials on Catfish in USA and Halibut and Cleanerfish in Norway. Different species with different biology and very different habitats.



Chapell with a Catfish

AquaBoost®
Activator

AQUABOOST® ACTIVATOR NOW IN 4 LITRE BAGS

Cryogenetics always aims to meet the clients needs. Due to the requests from many of our clients, we have changed the volume for the AquaBoost® Activator from 1 litre to 4 litre bags. This makes the product much more efficient when fertilizing large batches of eggs.

We hope you like it!



AquaBoost® Activator in 4 litre bag

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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.

