



The leading independent experts in aquaculture genetics



Xelect is trusted by major producers globally to manage their breeding programmes and to provide critical support services.

Our highly qualified teams of geneticists, biologists and bioinformaticians work closely with our clients to produce faster growth, increased yield, greater resistance, premium traits and more sustainable breeding programmes.

From our state-of-the-art laboratory in St Andrews, Scotland we can work internationally with all species of fish, shrimp and shellfish.

Whether you're looking for an extensive breeding program to create a premium product, or just looking for some advice and guidance Xelect can help.

We have three tiers of service so that producers can pick the right genetics support for their business model.



XELECTELITE

Full service breeding programme management with a dedicated Programme Manager

Xelect Elite is like having your own in-house full service genetics department. You'll have a dedicated Programme Manager (a highly qualified aquaculture genetics specialist), regular progress reports and visits from our expert team to help you design and operate a world-class genetic selection programme. We'll provide you with detailed recommendations to help you increase the health, profitability and sustainability of your production.



Xelect has unparalleled knowledge of a wide range of species and has developed proprietary selection markers and hatchery management software to produce rapid genetic gain whilst controlling inbreeding. We're leading the way in developing cost effective methods for genomic selection.

Breeding programmes are premium, long term, strategic partnerships, designed to create transformational progress.

XELECTDIRECT

Genetic support on demand



With Xelect Direct you will get genotyping and genetic services 'on demand' when you need it. You'll have access to our full range of experts at fixed prices on a pay as you go basis.

For example:

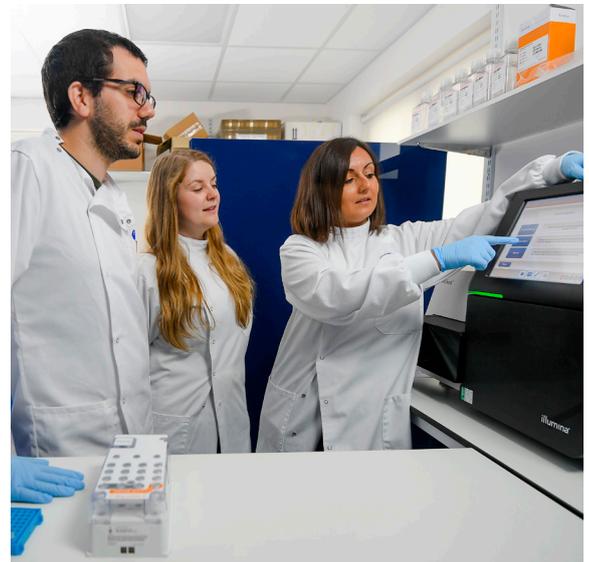
- A one off report on the genetic makeup and pedigree reconstruction of your stocks
- Advice and guidance on optimising your breeding programme to ensure sustainability
- Consultancy services to help increase specific traits.

You get a premium service without the requirement for a long-term contract. We'll happily agree a pricing structure and programme that's right for you.

- **Ploidy determination:** Our 24-hour service is valuable for fish breeders looking to improve their processes or to certify their product, and for farms looking to check the quality of supplies. When we receive eggs or tissue samples we can issue a next day Certificate of Ploidy.
- **Sex determination in salmonids:** We can provide rapid sex determination from fertilised ova to adult fish - an excellent way to manage stock control and check supplier quality. Results are usually within 10 days.
- **Genotyping and relatedness analysis:** By analysing your brood stock we can help you avoid problems associated with inbreeding and support you with the long-term sustainability of your breeding programme.
- **Gene expression:** Xelect offers gene expression measurements to help with the development of new feeds and vaccines.

XELECTEXPRESS

Rapid response services from our fully equipped laboratory



Get in touch for a free telephone or video call to see how we can help you.

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