

Benchmark Genetics Cryopreservation Services

A refined straw-based approach to secure elite genetics and preserve future breeding options

Secure elite genetics today - preserve breeding options for tomorrow

THE QUESTION WE ANSWER

How do you protect valuable genetics today without limiting tomorrow's breeding options?

BUSINESS VALUE

Genetic security

Protect elite genetics and valuable family lines.

Breeding flexibility

Keep future mating and recovery options open.

Programme continuity

Reduce the impact of broodstock loss or change.

Why the straw method?

- Standardised individual units
- Controlled handling and thawing
- Strong sample traceability
- Efficient cryogenic storage and inventory

A refined format built for consistency

Elite male 01

Elite male 02

Elite male 03



For further information about our genetics services, please scan the QR code

Benchmark Genetics uses a refined straw-based cryopreservation method to preserve semen from selected broodstock under controlled protocols, with traceable storage and validated recovery procedures for future breeding use.

What this service enables

PRESERVE

Elite genetics

Create a secure reserve of high-value broodstock genetics.

PROTECT

Future options

Keep valuable lines available for recovery, redesign or future breeding.

REDUCE

Biological risk

Protect genetic material against unexpected broodstock loss or disruption.

EXTEND

Genetic value over time

Extend the useful life of valuable genetics beyond an individual animal.

FROM SELECTION TO RECOVERY

1 > Select 2 > Assess 3 > Freeze 4 > Store 5 > Recover

Benchmark Genetics Cryopreservation Services

Onboarding, deliverables and a secure
straw-based preservation workflow

A simple path from selected broodstock to a secure genetic reserve

How to get started

Input

Target males / lines, breeding priorities and collection plan.

Assessment

Semen quality, suitability for freezing and collection conditions.

Roadmap

Cryopreserve, store, track and recover when the programme needs it.

Execution in 3 simple steps

1

Select & collect

Agree target broodstock, collect semen and confirm sample identity.

2

Assess & cryopreserve

Evaluate quality, process the sample, fill and seal straws, then freeze under controlled conditions.

3

Store & recover

Maintain traceable cryogenic storage and apply validated thawing / fertilization procedures when required.

What the client receives

Cryopreserved genetic reserve

A secure inventory of selected genetics preserved for future breeding use.

Quality & traceability

Sample identity, quality information and storage records linked to each preserved unit.

Recovery readiness

Validated thawing and fertilization procedures to support future use of the material.

Genetic security

A practical safeguard that helps protect valuable lines and programme continuity.

A proven global format, refined for aquaculture

Straw-based cryopreservation is widely used across high-value animal breeding sectors, including equine and livestock genetics, because it supports standardised handling, traceability and long-term cryogenic storage. Benchmark Genetics applies and refines this principle for aquaculture breeding programmes.

Commercial structure

Level	Main use	Model	Indicative price logic
Cryopreservation service	Secure elite genetics for future breeding use	Per collection / batch / storage plan	On request

Optional integration: genetic selection, genotyping, breeding programme support and long-term genetic banking strategy.