



Contact ICBF Team

023 882 0452

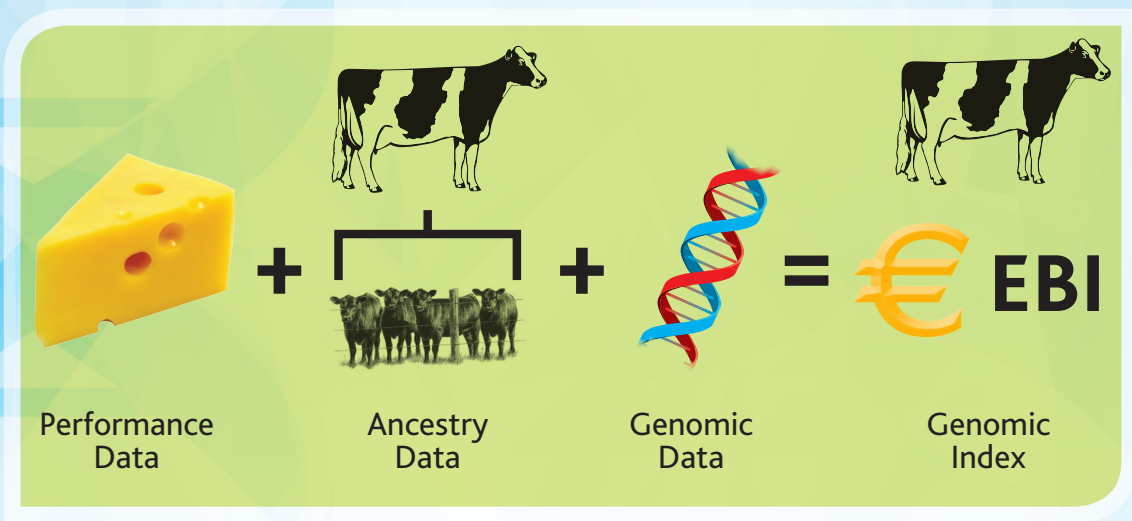
Genotype your herd for as little as €22/head



Female Genotyping

What is Genomics?

Genomics is breeding using DNA to help better predict how well an animal will perform in the future. DNA is passed from parents to offspring and is therefore central to breeding. The DNA profile of an animal is analysed (hair sample) and is compared to the DNA profiles of older proven animals and looks for similarities. Performance data, Ancestry data and Genomic data are combined on the animal itself generating a more accurate prediction of the animal's genetic make-up (Economic Breeding Index).



Benefits of Genotyping Dairy Females

Replacements: Identify the best heifers to breed as replacements.

Genomic Evaluation: Animal has genomics included in its Economic Breeding Index which is a better prediction of the true value of an animal's genetics.

Parentage Verification: Confirms parentage (assuming parents are genotyped)

Animal Type	Average Reliability %
Young Female	22%
Genotyped Young Female	50%

Reliability: Increases the EBI reliability % figures even before the animals have produced any offspring.

Genomic Selection: Improves the reliability of genomic selection by increasing the number of animals in the reference population.

How do I Genotype?

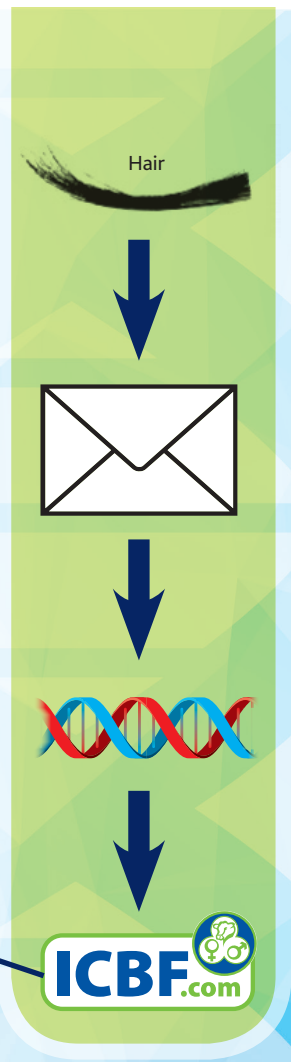
Order online by logging into your HerdPlus account on www.icbf.com

Call ICBF on **023 882 0452** to order hair cards for DNA collection

**Currently limited to Holstein/Friesian animals which don't have more than 6.25% of any other breed.*

**HerdPlus membership is required.*

Reap the rewards of your investment by having all this invaluable information available at an early stage.



Genomic Evaluation Report

Index	Official Genomic Evaluation (*)	Reliability	Weighting on Genomics	DNA Value	Parent Average Evaluation	Reliability	Diff. from Parent Avg	Increase in Reliability
EBI €	233	45%	37%	222	221	29%	+12	16%
Milk Sub Index €	78	57%	48%	70	81	31%	-3	26%
Fertility Sub Index €	121	48%	35%	115	105	25%	+16	23%
Calving Sub Index €	35	36%	29%	43	35	37%	0	-1%
Beef Sub Index €	-11	30%	31%	-8	-2	34%	+1	-4%
Maintenance Sub Index €	8	24%	33%	2	9	25%	-1	-1%
Health Sub Index €	0	41%	33%	0	2	23%	-2	18%

Testimonials



"Genomic selection has allowed me to identify my best heifers to breed as replacements and maximise farm profitability."

Richard Starrett, Co. Donegal



"We have genotyped all our dairy females each year since 2011. We are delighted with the service. It has confirmed the parentage and helped immensely with our breeding decisions."

Tom & Kathy Kearney, Co. Cork



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