



## Genomics - Questions & Answers

### Which animals in my herd can I test?

- Any pedigree registered Holstein, Friesian, Jersey or Ayrshire female
- Most suitable for youngstock although females of any age can be tested

### How much does it cost?

- £23 for Low Density (LD) genomic chip
- £27.50 for High Density (HD) genomic chip

### What is the procedure?

- ☐ Request a genomic test for your animal(s) on 'Your Herd', 'Genomic Testing' menu
- ☐ A genomic testing pack will be sent out to you along with full instructions
- ☐ Send DNA sample(s) from your female animal(s) to CIS
- CIS send your sample(s) to the lab who will extract the DNA on either the LD or HD genomic chip
- ☐ Genotypes will be made available to the evaluation centre to calculate the genomic type and production indexes
- ☐ Results will be returned and made available on 'Your Herd' (please note: this can take up to 8 weeks for genomic results to be returned due to the timing of the evaluation runs)
- ☐ Track your sample(s) using the genomic tracking page on 'Your Herd'
- ☐ If there are any problems with the DNA sample or the animals' parentage, you will be contacted
- ☐ You must milk record with an ICAR accredited milk recording organisation

### What is included?

- From HD chip only: Blad, Dumps, Citrullinemia and Fertility Haplotypes
- Full UK genomic evaluation results (GPLI) for production and type

### Can I request anything extra?

- From the HD genomic chip only: Beta Casein A2, Coat Colour, CVM, Brachyspina, Horn Polled and Cholesterol Deficiency can be requested on 'Your Herd'. Additional costs apply
- GTPI evaluations (from HD chip only) can be run for an additional cost

### Why should I do a genomic test?

- To identify the animals with the greatest potential in your herd
- Breed animals according to their potential