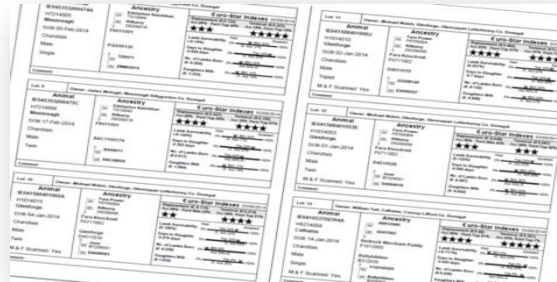
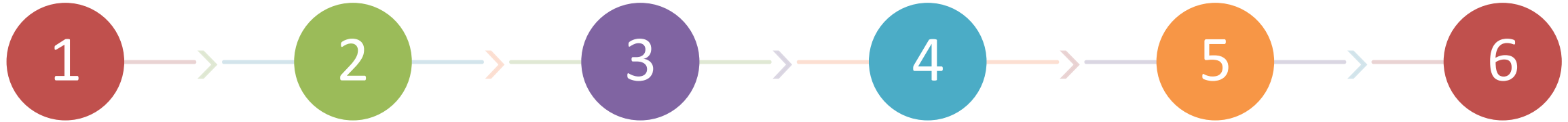


Genotyping Timeline



Ciara Long

Genotyping Process



Step 1

Farmer orders DNA Tags via Genomic Ordering screen on Sheep.ie

Step 2

Breeder takes tissue samples & returns using pre addressed envelope

Step 3

Samples logged by Sheep Ireland & sent to the Lab

Step 4

Lab genotypes samples at the start of each week

Step 5

Result file sent and loaded to Sheep Ireland database

Step 6

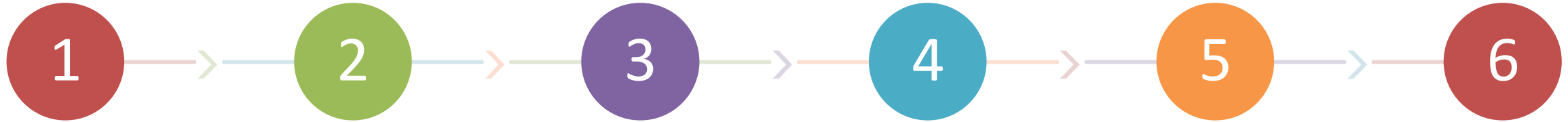
Breeders' Results screen updated

Approximately 4 weeks turnaround time

DNA Collection & Handling

- Ensure the sheep is restrained
- Only take samples from dry & clean ears
- Disinfect the ear after sample is taken
- New Tag type now in use – same collection protocol
- Refrigerate samples ASAP
- Avoid freeze & thawing of samples
- Follow the collection guide enclosed with tissue tags
- Post samples in return addressed envelope ASAP

Genotyping Process



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Breeders' Results screen updated

Approximately 4 weeks turnaround time

Genotyping Process

Loading results to Sheep Ireland database

- Database automatically applies QC checks
 - Parentage verification run on all genotypes
 - Predictions applied
 - Results reviewed before being released to breeders
-
- Breeders' Results screen updated
 - Breeder's as well as societies will be notified of parentage errors
 - If available predictions will be applied
 - If not, incorrect parentage will be removed

Genotyping Pricing

- Genotyping to date
 - Only available to the main OviGen breeds (BR,BX,CL,SU,TX,VN)
- Genotyping going forward:
 - Open to all breeds
 - Subsidised genotyping applies to all LambPlus flocks
 - ≥ €10 per animal for LP flocks
 - ≥ Will be re-assessed after the first 1000 genotypes
 - Full cost for non LambPlus flocks is €24.50