



HEREFORDS  
Australia



**GGP**uLD



INTRODUCING HEREFORD FEMALE uLD

[herefordsaustralia.com.au](http://herefordsaustralia.com.au)

# INTRODUCING HEREFORD FEMALE uLD

The Hereford Female uLD is an ultra-low density, low cost genomic product that has been developed in collaboration between Neogen Australasia and Herefords Australia specifically for testing Hereford females. The GGPuLD will also be the upgraded parentage profiler for those members just seeking to confirm PV (parent verification).

## Understanding the Hereford Female uLD

The Hereford GGPuLD product uses an ultra-low density DNA test to assess the genetic makeup of Hereford females at approximately 30,000 locations across the animal's genome (known as SNPs or single nucleotide polymorphisms) to obtain a genomic profile for the animal.

The resultant genomic profile can be used for parentage verification of the female and her progeny, plus to add valuable information to the calculation of Estimated Breeding Values (EBVs) for not only the female, but also her relatives.

The Hereford Female uLD is for members who may now have commenced genotyping either all, or a subset of their current calves, but have not genotyped their female herd.

## What are the Benefits?

The advantages of genotyping females with Hereford Female uLD are:

**More consistent EBVs:** Hereford Female uLD adds valuable information to the Hereford BREEDPLAN EBVs that are calculated for the females (and relatives).

**Parentage verification:** Subject to the availability of a SNP profile for the sire and/or dam, DNA verification can be conducted to confirm the parentage which improves the integrity of the Hereford BREEDPLAN EBV information analysed.

## How does the Hereford Female uLD compare to other Genomic products?

Hereford Female uLD is a low cost, ultra-low density product that is suitable for testing Hereford females only. Reliable results will still be produced from the Herefords GGPLD, but it should not be viewed as a replacement for the Herefords GGPLD or GGPHD bundles currently offered.

## Price & Ordering Hereford Female uLD

Hereford Female uLD can be ordered from Herefords Australia for a cost of \$40.00 (incl. GST) Genotype + PV (where possible).

DNA Order form can be downloaded from the Herefords Australia website, or by contacting staff at Herefords Australia on (02) 6772 1399.

Collecting DNA Samples for Herefords GGPuLD can only be conducted from tissue sampling units (TSUs). TSUs involve the use of an applicator that takes an ear notch, places it in a collector tube that contains preservative, and seals in a single action.

TSU collectors (min. 10) and Applicators are available for purchase from Neogen Australasia on (07) 3736 2134, Herefords Australia on (02) 6772 1399 or, from your local rural merchandise stores.

## COMMONLY ASKED QUESTIONS

### Can any Hereford be tested with Herefords GGPuLD?

GGPuLD is replacing SeekSire product for those breeders who only want to request a PV (Parent Verification) and is available for both Males and Females at the current price of \$30.80 (incl. GST). Females that are active on the Inventory and a PV request was made after July 1st 2019, can access the full benefit of the 30K genomic profile for an additional \$10.00 (incl. GST). For further information, please refer to the DNA Request Form.

### Is the Hereford Female uLD suitable for testing sires or bulls?

No. Sires or bulls should be tested with the higher density Hereford LD or HD for the genomic profile to be incorporated the BREEDPLAN evaluation.

### Should Herefords females previously tested for PV (SeekSire) be tested with Herefords GGPuLD?

The Hereford Female uLD product is an ideal option for upgrading the genomic information that is available for females that have been previously genotyped with a parentage panel. There is no benefit if Hereford females have been previously genotyped with the Hereford GGPLD or GGPHD.

### Is Hereford Female uLD compatible with other genomic products?

Hereford Female uLD is fully compatible with all other SNP based genomic products, including the SeekSire parentage panel offered by Neogen, and higher density genomic products such as GGPLD and GGPHD.

### What type of DNA samples can be collected for testing with Hereford Female uLD?

Herefords Australia preferred method of sampling be conducted from tissue sampling units (TSUs). TSU collectors (min. 10) and Applicators are available for purchase from Neogen Australasia on (07) 3736 2134, Herefords Australia on (02) 6772 1399 or, from your local rural merchandise stores.

### How much additional accuracy will Hereford Female uLD add to the EBVs of my females?

Hereford Female uLD will add similar accuracy to the EBVs of females as when they are tested with either the Hereford GGPLD or GGPHD. If a group of females are tested with Hereford Female uLD, no change would be expected in their average EBVs, but some re-ranking will occur. An increase in the spread of their EBVs (i.e. standard deviation) would also be expected.

### What is the turn-around time for Hereford Female uLD?

The turn-around time for testing with Hereford Female uLD is similar to the turn-around time for the GGPLD or GGPHD bundles. Members should allow 3-4 weeks from when samples are received at the lab to results reported back.

### Can I include any Add-ons to the uLD?

The answer is yes but it can only be PI (BVDV testing). The Add-on price is \$10 per sample. If you wish to test for Horn/Poll or Recessives (HY, DL, IE, MSUD) then you will need to request either a Hereford Horn/Poll Bundle or Hereford Standard Bundle.



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