

#3 HOMOGENEITY OF DESCENDANTS (HD+)



THE RIGHT DNA TRANSMITTED

To obtain the best improved progeny compared to the dam on a given criteria.



In worldwide exclusivity, **EVOLUTION** provides to breeders a label **Homogeneity of Descendants, or HD+** to qualify bulls that meet this challenge.

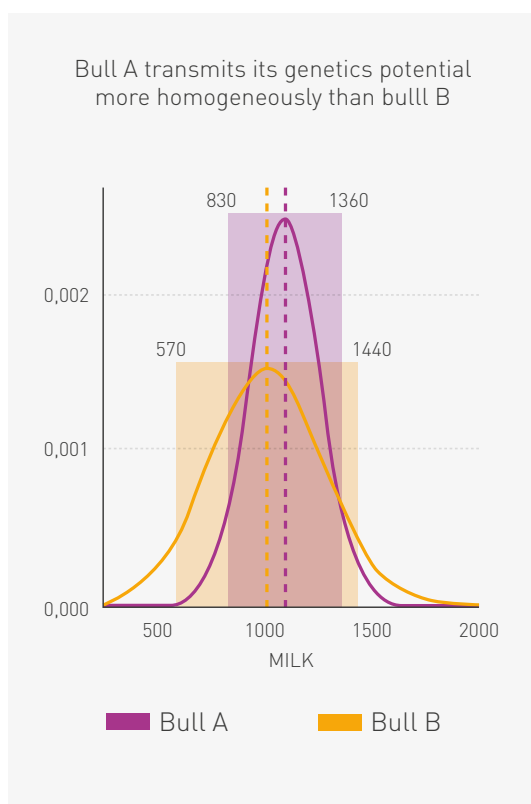
HD+ corresponds to the ability of a bull to transmit a quality more regularly to his offspring on a specific criteria.

9 criteria are analysed: Fat, Protein, Milk, Milking speed, Fertility, Udder health, Type, Udder and Feet and legs.

The method: the knowledge of the bull's DNA has made it possible to project more than 500 potential descendants and to measure their genetic level distribution.

To be labelled HD+, the bull must be in the upper quarter in genetic level and in the upper quarter of homogeneity of transmission to its offspring (transmission standard deviation).

Thus, HD+ bulls are not only very improving on a criteria, but «tested» for their ability to transmit this quality more homogeneously to their offspring.



5% TO 10% ADDITIONAL CORRECTION RATE WITH HD+ BULLS

By using HD+ bulls on a female with a significant defect, the probability of having a sufficiently corrected female increases from 83% to 88%.

For a herd of 100 cows with a genetic issue in somatic cells on 20 females, mating sensitive females with HD+ bulls in udder health corresponds to 1 to 2 females corrected with 1 additional lactation, which means a saving of 600 € per year.