

development of useful embryo manipulation techniques, such as overovulation, the removal of embryos, the freezing and division of embryos, etc. Alberta Livestock Transfers of Calgary, Alberta, which has recently become Alta Genetics Inc., was one of the first companies in the world to use embryo manipulation techniques on an industrial

scale. In addition, the company has built a significant export market for its frozen embryos.

Alta Genetics has become the standardbearer and is a leader in cloning and nucleus transplantation methods, particularly with Holstein dairy cattle. In collaboration with the University of Calgary, the company is also

conducting research on more advanced genetic manipulation techniques, such as gene transfers. Research results may lead to more productive and healthier animals more suitable for use as food or for industrial purposes. However, at present, gene transfer, particularly for large animals, is one of the techniques that has yet to be fully mastered.



Four Holstein calves obtained from the same clone and delivered using the nucleus transplantation process.  
(Alta Genetics Inc.)