

ADVANCED REPRODUCTIVE SOLUTIONS

Simplot Animal Sciences uses an innovative approach to provide advanced, customized reproductive solutions to help improve efficiency, productivity, and profitability in a dynamic and changing market.

Drawing on extensive experience in agribusiness and the latest reproductive In Vitro Fertilization (IVF) science, our team developed the SimVidro® offering of HerdBuilder™ and HerdFlex® embryos to accelerate genetic progress and unlock new market opportunities for producers.

SIMVITRO EMBRYOS CAN HELP:



**CHANGE THE
ECONOMIC VALUE**
of the calf crop



**IMPROVE
PREGNANCY RATES**
in heat stressed and
repeat breeder cattle



**CHANGE HERD
GENETICS**
in one generation



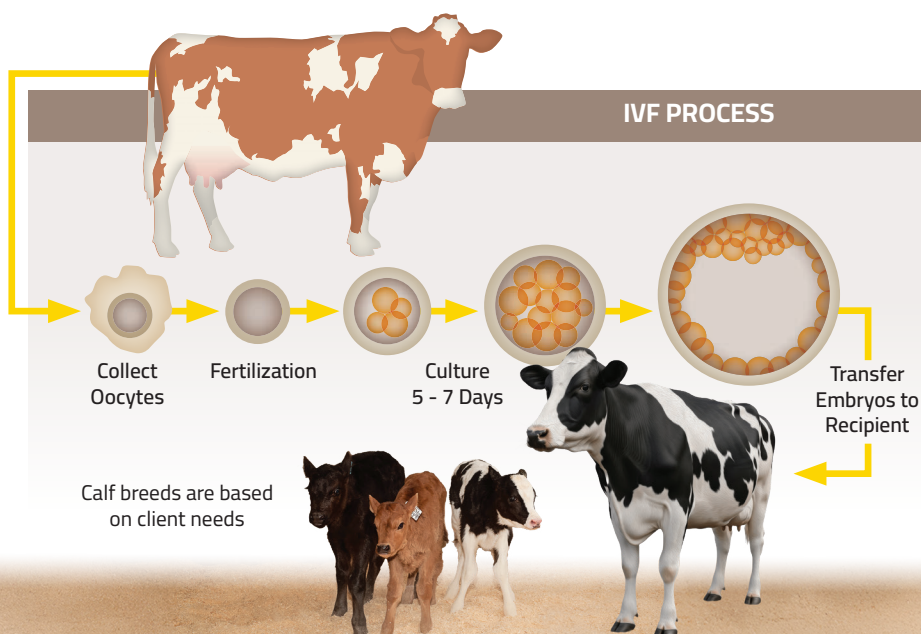
BETTER MANAGE
heifer inventories

INNOVATION IN ACTION: HOW IVF WORKS

IVF is the process of fertilizing oocytes collected from donor females with semen in a controlled laboratory setting. Oocytes are gathered from donor cows.

Once collected, oocytes are fertilized with superior semen in the laboratory. The resulting embryos are cultured for 5–7 days, then transferred to recipient females or frozen for future use.

The SimVidro offering takes this process further. By grouping oocytes from one breed together for fertilization, Simplot Animal Sciences can produce and freeze large, commercial volumes of embryos, making IVF more accessible and cost-effective than ever before.



FREQUENTLY ASKED QUESTIONS

ISN'T IVF EXPENSIVE?

Traditionally, yes. IVF was cost-effective only for elite genetic breeders. SimVitro embryos change that equation. Our innovative approach delivers high-quality embryos at affordable, tiered price points accessible to a wide range of operations.

WHAT GENETICS ARE AVAILABLE?

Embryos are produced using superior Jersey, Holstein and beef sires. Contact a representative to see what's available or to discuss a custom request.

WHAT PREGNANCY RATES CAN I EXPECT?

SimVitro embryos are expected to achieve rates similar to A.I., with improvement over A.I. in heat-stressed and repeat breeder cows. Pregnancy rates will vary based on farm management and recipients.

WHAT DOES IMPLEMENTATION LOOK LIKE?

Recipient cattle are prepared similarly to A.I., and embryos are simply transferred 7 days after estrus rather than at breeding. Transfer can be performed by any trained veterinarian or technician.



Accelerate Genetic Progress and Scale Your Operation

HerdBuilder embryos supply operations with high net merit dairy calves and highly maternal beef calves. It's a proven IVF solution that can help:

- Accelerate herd's rate of genetic progress
- Empower herds to switch breeds in a single generation
- Increase pregnancies during times of reduced fertility

For herds looking to improve animal genetics and reproductive efficiency, HerdBuilder embryos deliver results at a price point that fits operation goals.



A New Approach to Beef on Dairy

SimVitro HerdFlex full-beef embryos are produced from commercial Black Angus-based dams and elite genetic sires for proven, consistent performance. For dairy operations looking to increase the value of non-replacement calves, HerdFlex® offers a straightforward path to full-beef calves with calving ease and strong feedlot returns.

HerdFlex® embryos deliver value through:

- Improved feed efficiency
- Strong rate of gain and ribeye area
- High carcass merit and marbling
- Genetic uniformity delivers consistency cattle buyers and packers desire
- Year-round availability with a consistent supply

HerdFlex® embryos are made possible through a partnership with Select Sires that delivers national distribution and the support of Select Sires' trusted network of distributor partners.

LET'S PARTNER

READY TO IMPROVE EFFICIENCY, PRODUCTIVITY, AND PROFITABILITY?

SimVitro HerdBuilder and HerdFlex products are available through our national network of trusted distributor partners.

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