FLEXIBILITY OF VYTELLE ADVANCE

We understand the importance of keeping cows in production. Vytelle's hormone-free IVF process makes it safe to...

OPU A DONOR AS SOON AS 7 DAYS POST BREEDING

BREED A DONOR AS EARLY AS 5 DAYS POST ASPIRATION

OPU UP TO 100 DAYS PREGNANT

Consult your local Vytelle representative or satellite manager for timelines specific to your needs.

The Value of Genetic Progress

Some producers question if they can afford IVF, but the real question is, can you afford not to? The real value of the embryo lies in the return on investment. A unit of semen is unarguably cheaper than the cost of an embryo, but when comparing genetic progress of AI versus IVF, the results are unparalleled.

PRICING & RESULTS

Our outcome-based pricing structure is another added benefit to our simple, reliable process. There are no hidden fees or upfront costs; simply one price per grade 1 embryo produced.

Vytelle freezes all embryos using the Direct Thaw method, which allows the embryos to be thawed very similarly to semen. We expect our frozen grade 1 embryos to perform 5-10% below your fixed time AI rate.

While hormone-free IVF makes it easier on donors and farmers, no technology is a silver bullet to overcome reproductive management challenges. For effective use of IVF, we encourage consultation with your local veterinarian and trained embryo transfer technician to develop a customized program

Scan to open on your phone.

TO LEARN MORE, VISIT VYTELLE.COM

Vytelle

ADVANCE

HORMONE- FREE IVF ACCELERATES GENETIC PROGRESS

THE GENETIC GAIN

Revamping your breeding program doesn't mean starting over. It means rethinking the way you use your existing genetics while replicating your best at a faster rate.

Beef Cattle

Cattle with low residual feed intake (RFI) are more feed efficient and require less feed while achieving the same level of production, growth, and body composition. An average animal would have a -.0.15 RFI EPD while an elite animal in the top 1% would have a -0.65 RFI EPD. Selecting elite animals for IVF is key to creating the largest genetic gain for the next generation.

AI	VS	IVF
-0.15 RFI EPD ELITE FEMALE		-0.65 RFI EPD ELITE FEMALE
-0.65 RFI EPD ELITE SIRE		-0.65 RFI EPD ELITE SIRE
-0.80 RFI EPD VALUE / 2 ANIMALS		-1.30 RFI EPD VALUE / 2 ANIMALS
-0.40 RFI EPD FOR THE NEXT GENERATION OF OFFSPRING		**-0.65 RFI EPD** FOR THE NEXT GENERATION OF OFFSPRING

**The averages used in this example are based on RFI EPD's in the Vytelle database.*

The progeny produced via IVF will **EAT 1/4LB LESS PER DAY** than the AI progeny. Lower costs improve profit. Don't just make more cattle, make better cattle.

Dairy Cattle

Net Merit (NM$) is a common genetic selection index dairy producers use to make breeding decisions. The average Holstein female has a NM$ score of $554. An "elite" animal would fall into the 99th percentile with a minimum of $1100 NM$. These elite females are often in the top 5% of a herd, which is encouraged when selecting donors for IVF to make the biggest impact on the next generation.

AI	VS	IVF
554 NM$ ELITE FEMALE		1100 NM$ ELITE FEMALE
+ 1200 NM$ ELITE SIRE		+1200 NM$ ELITE SIRE
1754 NM$ VALUE / 2 ANIMALS		2300 NM$ VALUE / 2 ANIMALS
877 NM$ FOR THE NEXT GENERATION OF OFFSPRING		**1150 NM$** FOR THE NEXT GENERATION OF OFFSPRING

**This example uses NM$ averages from the Council of Dairy Cattle Breeding (CDCB).*

The IVF offspring are worth **$273 MORE PER HEAD.** This skyrockets the compounding net merit over a large population of genetics in just one generation.

Another added advantage of IVF is maximizing semen usage. One unit of semen has the ability to fertilize several donors as opposed to one unit per timed AI.

MAXIMIZE SEMEN USAGE THROUGH IVF		
SEMEN TYPE	# UNITS OF SEMEN	# OF OOCYTES FERTILIZED
Presorted semen	**1-2**	**150**
Conventional semen	**1**	**210**
Reverse sorted semen (beef heifers or bulls)	**2**	**120-150**

*Average number of oocytes per OPU for **dairy** cattle is 23.*
*Average number of oocytes per OPU for **beef** cattle is 25.*

THE VYTELLE ADVANCE DIFFERENCE

Vytelle's hormone-free *in vitro* fertilization (IVF) process is the most accessible way to multiple offspring from your elite genetics.

NO DONOR SET UP, NO ADDED LABOR.
Our system makes it easy on animals and simple for you. From oocyte collection to top quality embryos out of the lab, Vytelle helps guide producers to reproductive success throughout the entire process. All you need to do is bring the donor.

Creating Success with IVF

- To make the biggest impact on your herd via the IVF embryo, choosing donors based upon elite genetic and/or phenotypic traits is a must.
- Sire selection is of equal importance to enhance your genetic gain while fast forwarding your generation interval.
- Donors can be heifers as young as six months of age or cows, open or pregnant, up until 100 days of gestation.