

UNLOCK ANIMAL PERFORMANCE DRIVING SUSTAINABLE PROGRESS

THE MOST ACCESSIBLE, RELIABLE, & PREDICTABLE PLATFORM



1



Vytelle SENSE

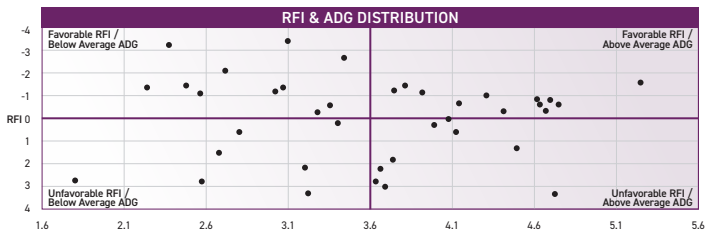
CAPTURE THE DATA THAT MATTERS MOST

- Collect individual animal feed intake, growth & behavior data
- Monitor & validate performance
- Gather key data without stress to the animal

2



Vytelle INSIGHT



TURN DATA INTO KNOWLEDGE

- Identify elite performing animals
- Increase the genetic advancement of each generation
- Optimally market cattle

3



Vytelle ADVANCE

ACCELERATE
GENETIC PROGRESS

- Multiply elite genetics with hormone-free *in vitro* fertilization (IVF)
- Shorten generation intervals
- Improve reproductive efficiency



TO LEARN MORE, VISIT [VYTELLE.COM](https://vytelle.com)


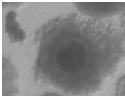
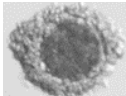
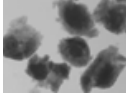
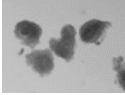
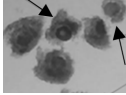
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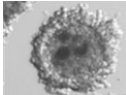
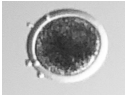
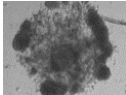


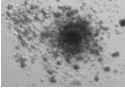
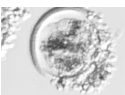
IVF FAQ

THE OPU PROCESS

The Ovum Pick-Up (OPU) process is the first step of *in vitro* fertilization, where oocytes are collected from the donor before being taken to a Vytelle lab.

VIABLE OOCYTES			OOCYTE EVALUATION <i>Oocyte quality is evaluated at OPU to support successful embryo development.</i>
GRADE 1	GRADE 2	GRADE 3	
			
			

POTENTIAL OOCYTES			LOSSES
IRREGULAR	NAKED	EXPANDED	
			

ATRETIC 
DEGENERATED 

FERTILIZATION & EMBRYO DEVELOPMENT

After the oocytes are collected, they are fertilized and cultured to support the growth of grade 1 embryos.

WHAT IS VYTELLE'S EMBRYO QUALITY?

Vytelle only freezes grade 1 embryos, which are the vast majority of our embryos produced. It is not expected to have high volumes of grade 2 embryos develop in our system, but if they are desired, they are available upon request at a decreased price.

FREEZING & IMPLANTATION

Once the embryo is developed, it can be frozen or transferred fresh into recipient cows.

WHAT IS VYTELLE'S FROZEN EMBRYO PROCESS?

Embryos are frozen using the Direct Thaw (DT) method. This makes it convenient for a trained embryo transfer technician to efficiently implant the embryo without any unnecessary handling.