

# UNLOCK ANIMAL PERFORMANCE DRIVING SUSTAINABLE PROGRESS

THE MOST ACCESSIBLE, RELIABLE, & PREDICTABLE PLATFORM



1



## Vytelle SENSE

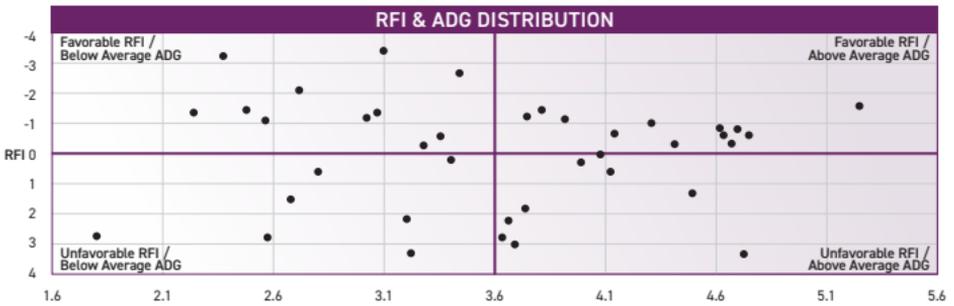
### CAPTURE THE DATA THAT MATTERS MOST

- 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



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Scan the QR Code to open our website on your phone.

## IVF FAQ

### THE OPU PROCESS

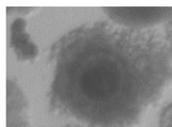
The Ovum Pick-Up (OPU) process is the first step of *in vitro* fertilization, where oocytes are collected from the donor before being taken to a Vytelle lab.

#### VIABLE OOCYTES

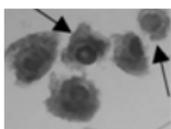
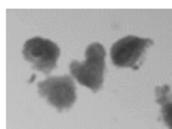
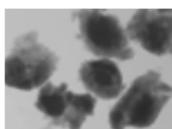
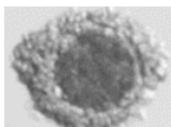
GRADE 1



GRADE 2



GRADE 3

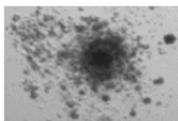


#### OOCYTE EVALUATION

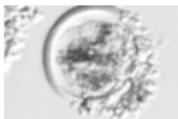
*Oocyte quality is evaluated at OPU to support successful embryo development.*

#### LOSSES

ATRETIC

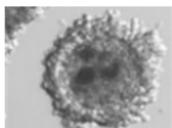


DEGENERATED

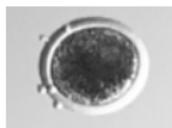


#### POTENTIAL OOCYTES

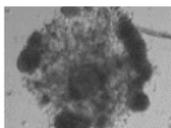
IRREGULAR



NAKED



EXPANDED



### FERTILIZATION & EMBRYO DEVELOPMENT

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

#### WHAT IS VTELLE'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 VTELLE'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.